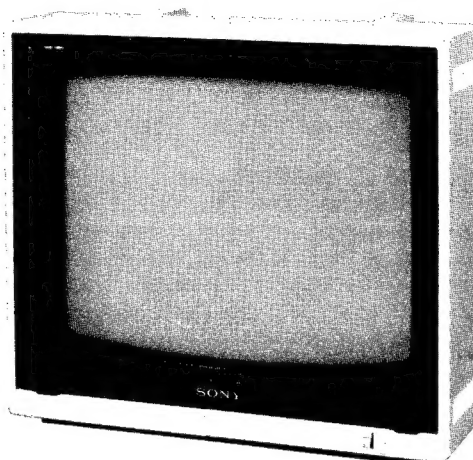


KX-20PS

SERVICE MANUAL

AEP Model

Chassis No. SCC-405A-A



April, 1983

HF CHASSIS

SPECIFICATIONS

Colour Television system CCIR-B, G, H, I/PAL

B, D, G, K, L/SECAM

M/NTSC, NTSC 4.43

Picture tube 52 cm, 100-degree deflection Trinitron tube
(49 cm picture measured diagonally)

Inputs VIDEO INPUT (BNC connector):
1 V p-p, 75 ohms, unbalanced,
sync negative

AUDIO INPUT (2 phono jacks):
-5 dBs (436 mVrms), 50 kilohms

CONTROL (minijack)

MULTI INPUT (8-pin):

Same as the above VIDEO, AUDIO INPUTs
and CONTROL jack

PERI-TV (21 pin)

RGB MULTI INPUT (34-pin)

Output

SPEAKER:

Accepts 8—16 ohm speakers

6W × 2 (8 ohms, with 10% harmonic distortion)

Power requirements 200–240 V ac, 50/60 Hz

Power consumption 150 W

10 W (in standby mode)

Approx. 504 × 450 × 475 mm (w/h/d)

(19⁷/₈ × 17³/₄ × 18³/₄ inches)

Dimensions

Approx. 28.7 kg

Weight

(63 lb 5 oz)

Accessories supplied 75-ohm coaxial cable with BNC connectors
(1.5m)

Plug Adaptor PC-5A (phono plug to minijack)

Connecting Cord RK-105A (miniplug to 2 phono
plugs, 1.5 m)

Mains lead

While the information given is true at the time of printing, small production changes in the course of our company's policy of improvement through research and design might not necessarily be indicated in the specifications. We would ask you to check with your appointed Sony dealer if clarification on any point is required.

Optional units/accessories

Colour TV Tuner VTX-100E*

Tuner Timer Unit TT-3000E, TT-F1E

Speaker System SS-X1A

Betamax Videocassette Recorder SL-C7E

SL-F1E

Video Cable VK-2D (8-pin plug to 8-pin
plug, 2m)

Video Cable VK-5DX (8-pin socket to 8-pin
plug, 5m)

Video Rack SU-160

* The last letter of the model number indicates where the unit was purchased: E (for European countries), ES (for Germany), for example.


* All parts that are used in this act are same as KX-20PS1 expect for the following.

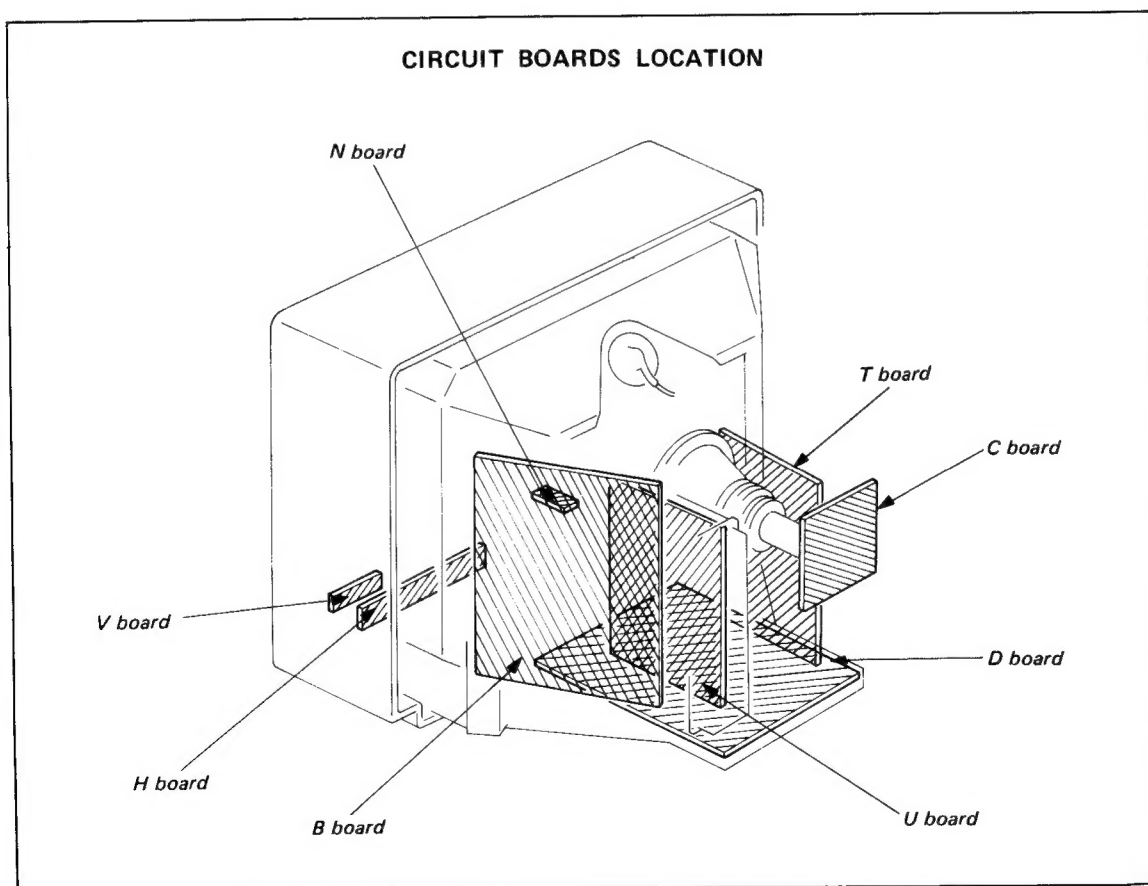


TRINITRON®
COLOUR MONITOR
SONY®

MON

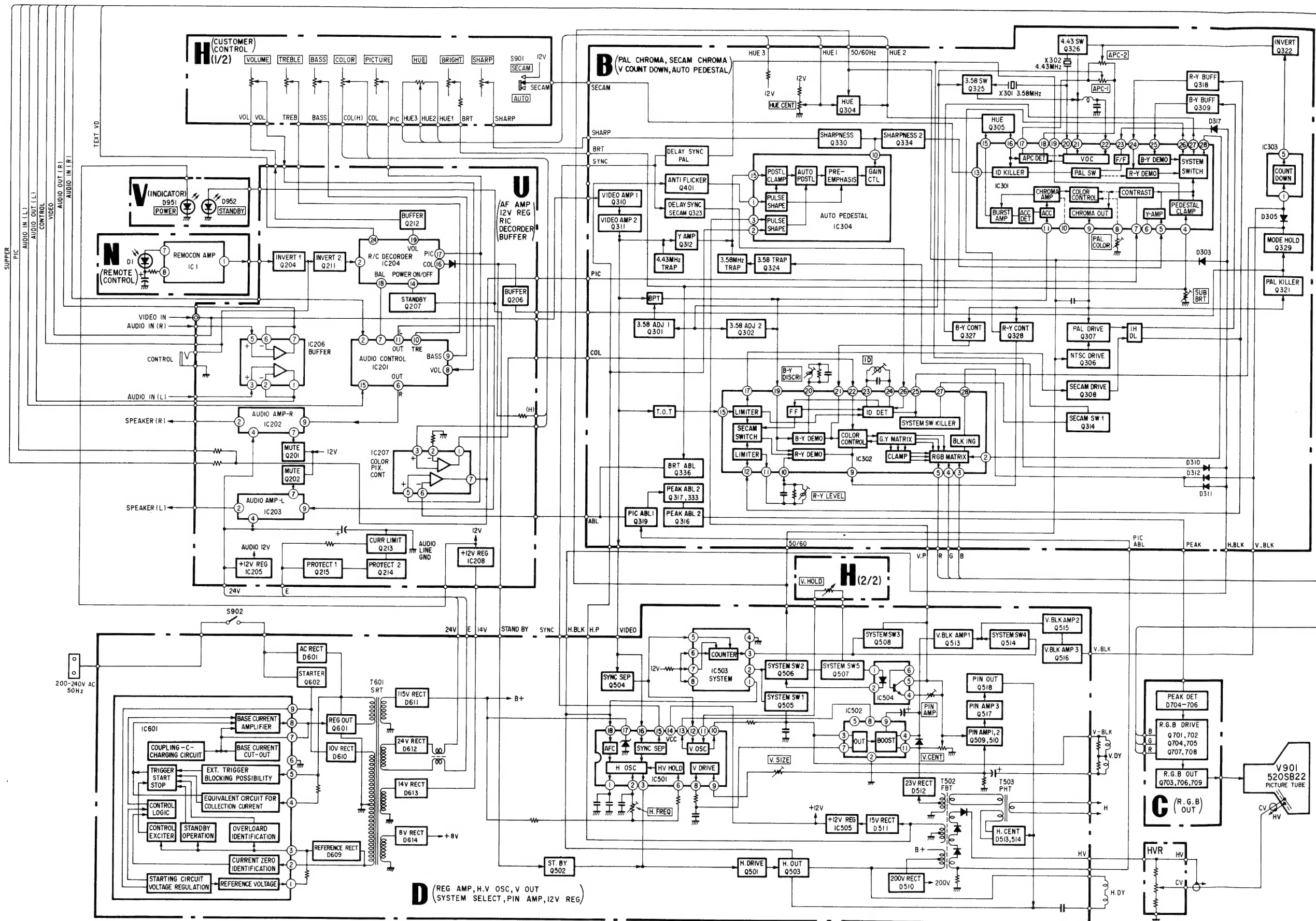
SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.



SECTION 1 OUTLINE

1-1. BLOCK DIAGRAM

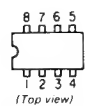




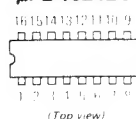
SECTION 2 DIAGRAMS

2-1. SEMICONDUCTORS

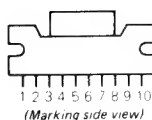
CX7916
μPC4558C



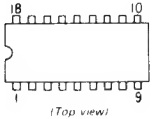
CX841
CX841A
TA7630P
TC4024BP
μPD4024BC



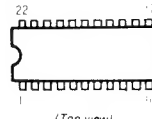
HA1389



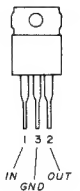
LA7802



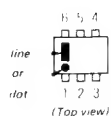
M50120P



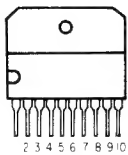
NJM7812B



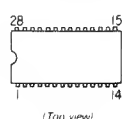
PC713



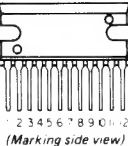
TDA4600



μPC1364C
μPC1365C



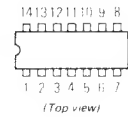
μPC1368H2



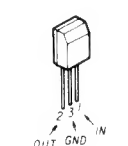
μPC1373H



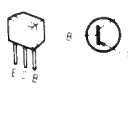
μPC1387C



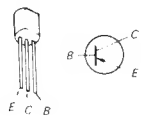
μPC78L12



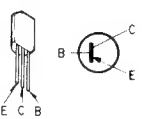
2SA1175
2SA1175F



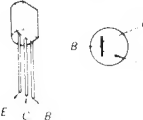
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2SA1015



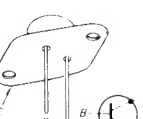
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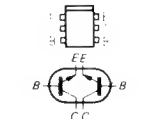
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2SC1364



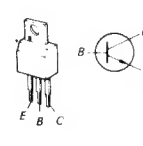
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2SD811



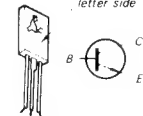
2SC1963



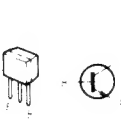
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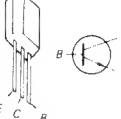
2SC2688



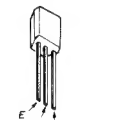
2SC2785



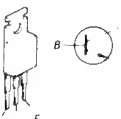
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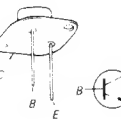
2SC633SP
2SC634SP
2SC403SP



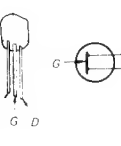
2SD1134



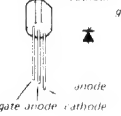
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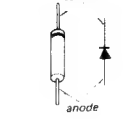
2SK107



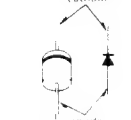
CR02AM-8



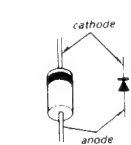
S1B01-02
US1035
10E2
1S1555
EM12
RD10E-B3
RD10E-N2
RD13E-B2
RD24E-B4
RD3.9E-B1
RD6.8E-B3
RD8.2E-B3
RD9.1E-B3



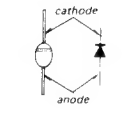
1SS119
1SS120
1SS133
1SS148
ERC81-004



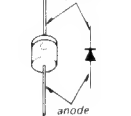
IN4148H
1S2076
1S2473
1SS82
1SS83
ERD29-04J
ERD29-08J
GP08D
RH1A
RH1Z
RM1Z



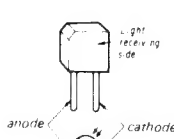
ERC26-15S
GH3F
V06J
V06C
V09C
V19B
V19C
V19E
V30N



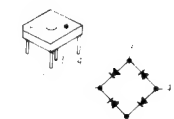
ERD28-06
ERD28-08



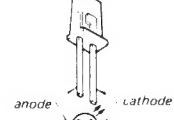
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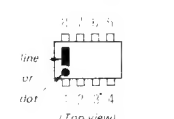
S3WB60Z



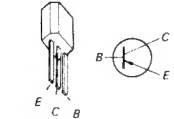
SG232D
SR632D



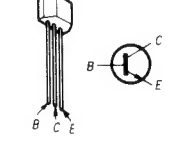
NJM4558D



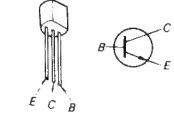
2SA1026



2SC2458



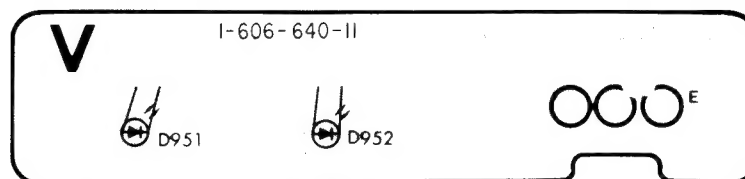
2SC945
2SC1815
2SC2603
JC501



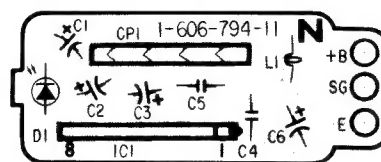
V [INDICATOR] **N** [REMOTE CONTROL] **C** [R.G.B. OUT] **H** [CUSTOMER CONTROL]

2-2. MOUNTING DIAGRAMS — Conductor side —

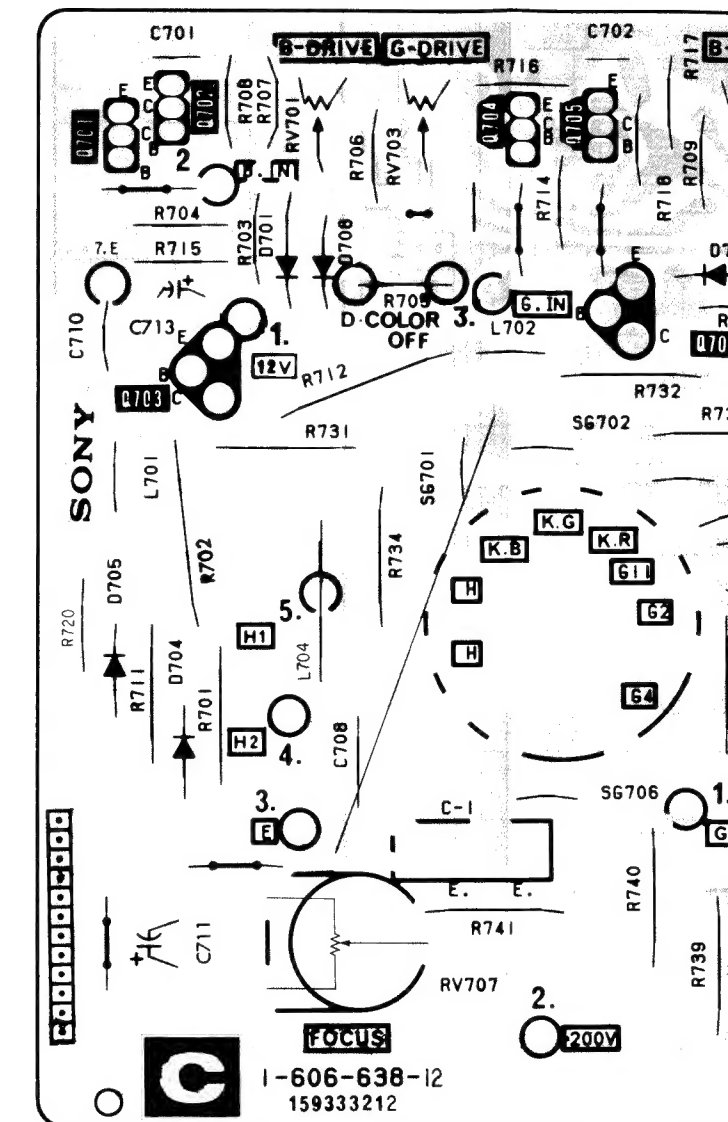
— V Board —



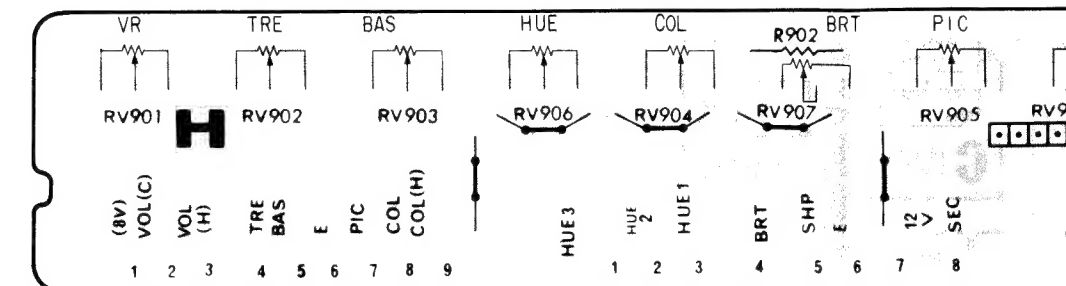
— N Board —



— C Board —

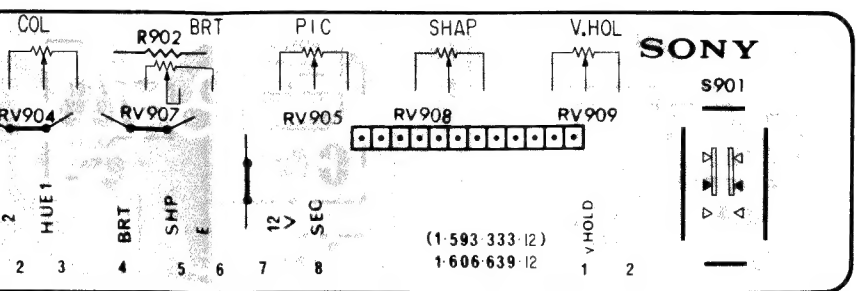
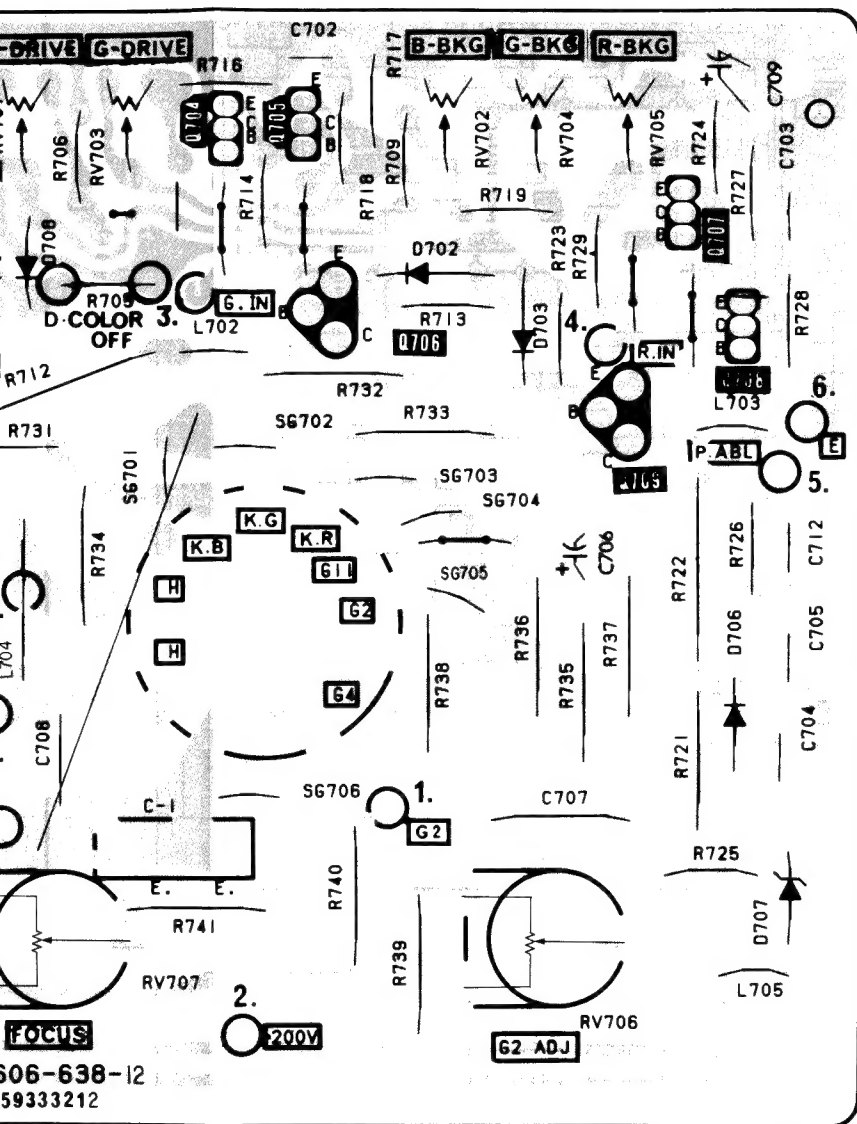


— H Board —



U [TONE/VOL/COL/PIC CONTROL
AF AMP, 12V REG, RIC DECODER
BUFFER]

G H I J K

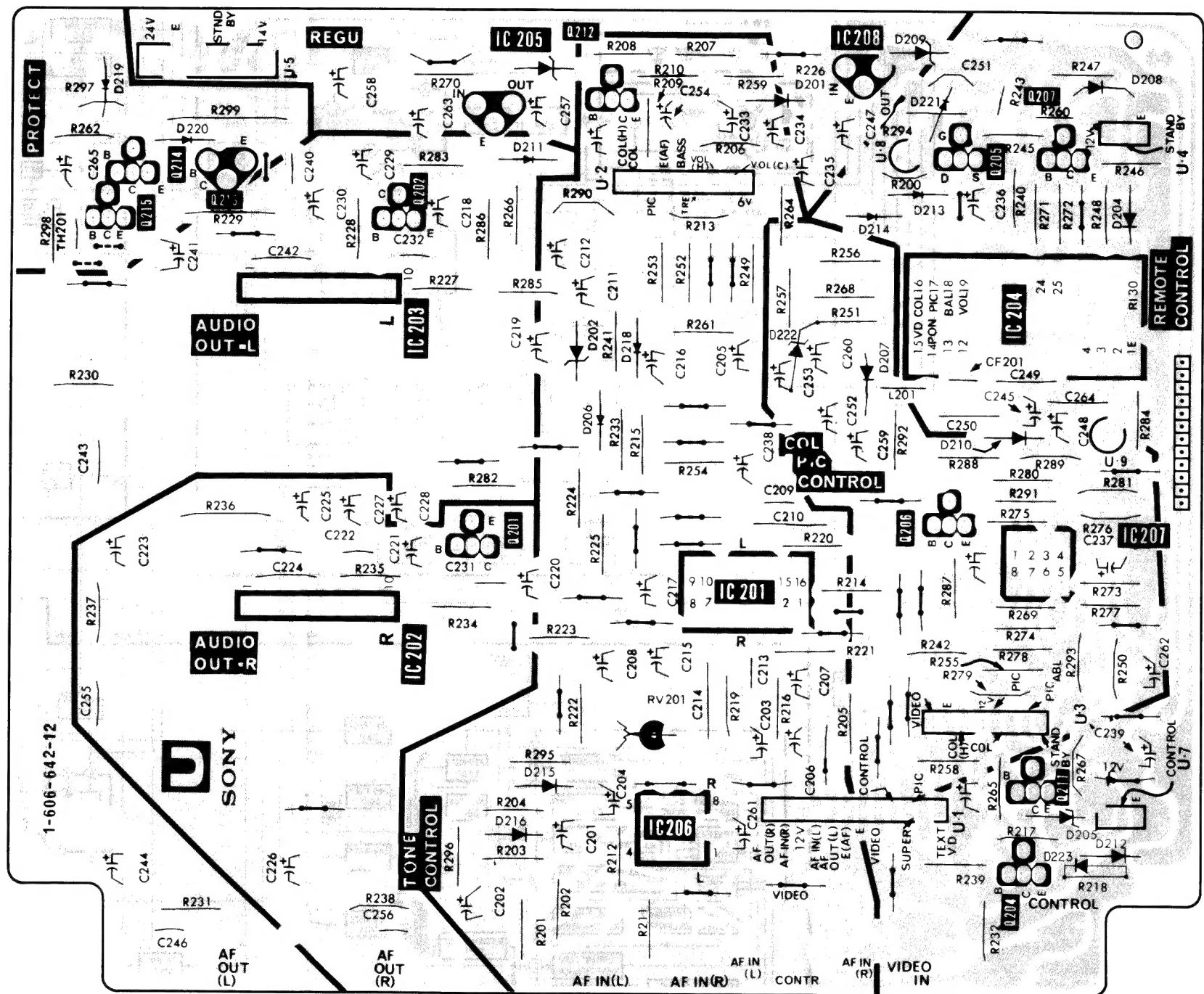


A B C D E F G H I J K

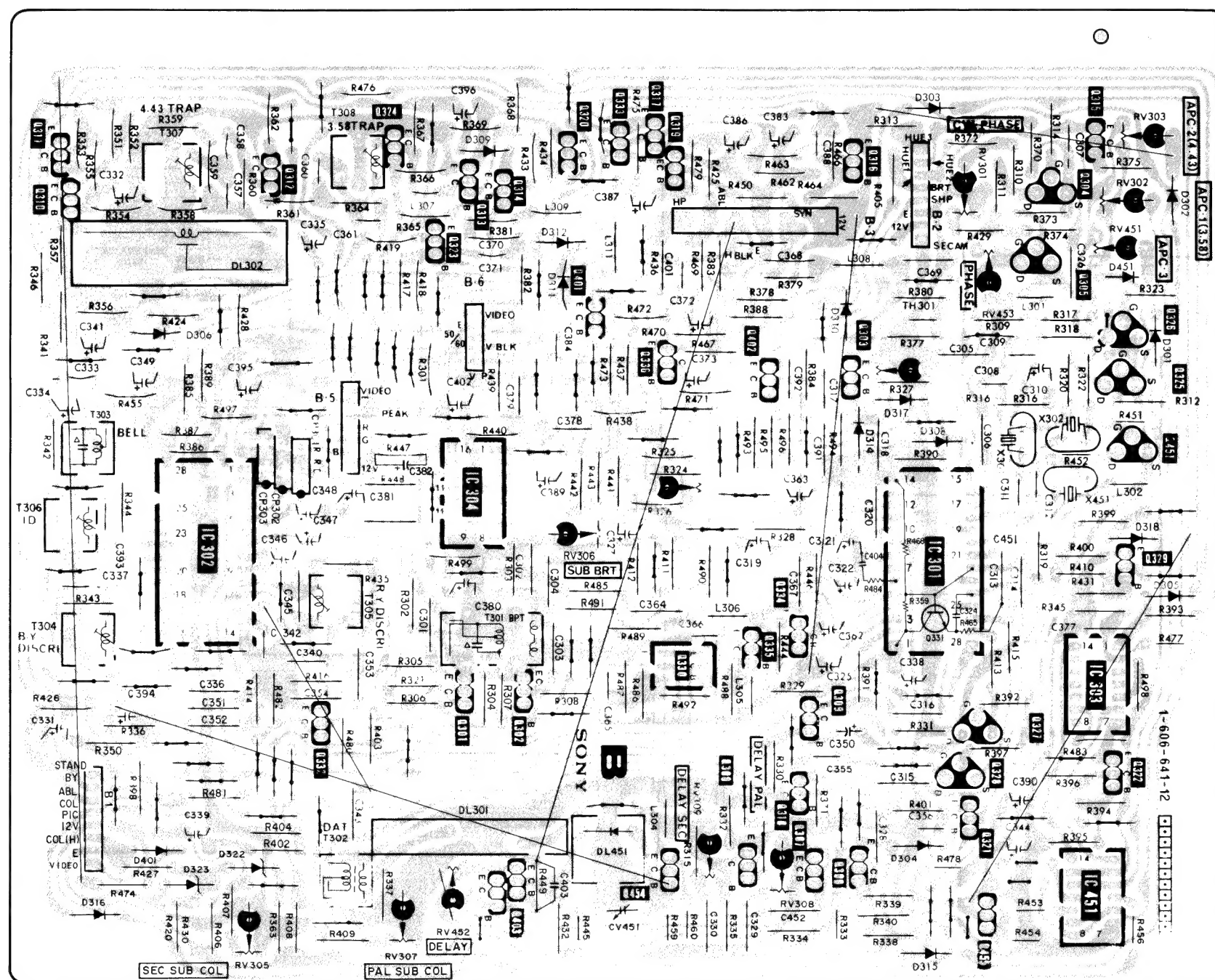
- U Board -

Q, IC	215, 214	213	IC202	IC203	202	IC205	212	IC206	IC201	IC208	205	IC204	207	Q, IC
D	219	220				201			201	222	214	213	209	D
ADJ						216 215	206 218					210	205	ADJ

1
2
3
4
5
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8
9

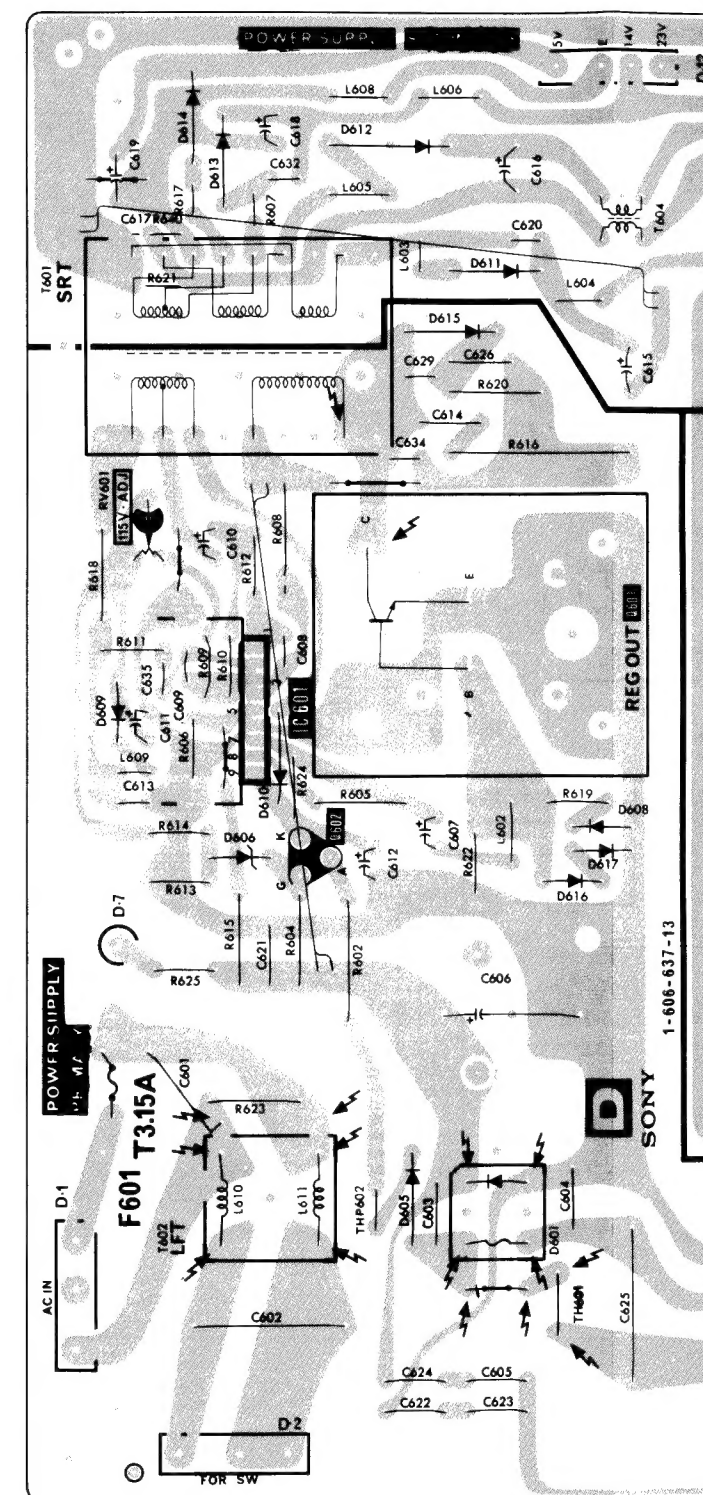


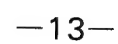
PAL CHROMA, SECAM CHROMA,
V COUNT DOWN, AUTO PRDESTAL

[illegible]


REG AMP, H.V OSC, V OUT,
SYSTEM SELECT, PIN AMP, 12V REG






Q IC	IC601	602	601
D	614 613	612	615 611
	609	606 610	605 601 616 608,617
ADJ	RV601		

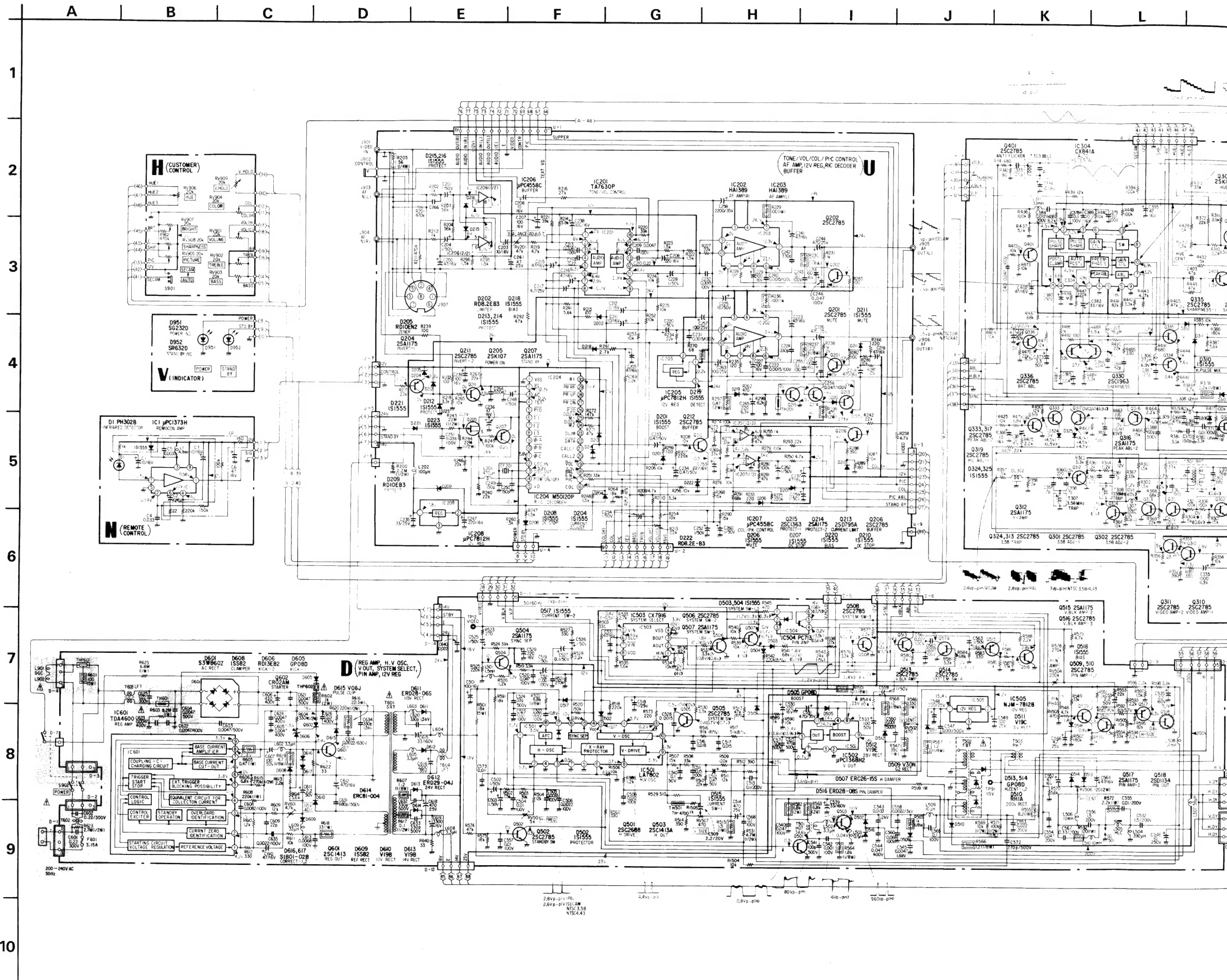


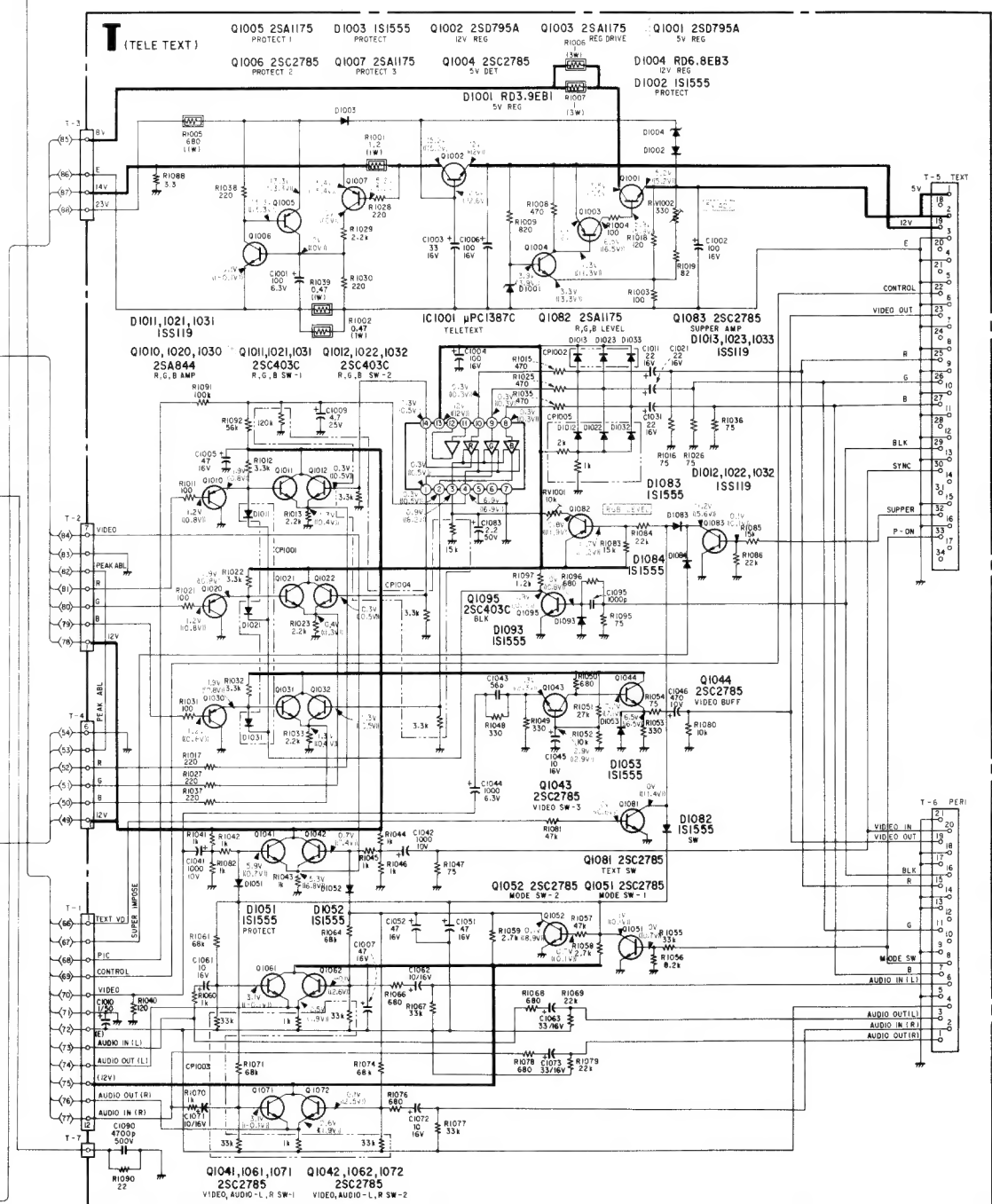
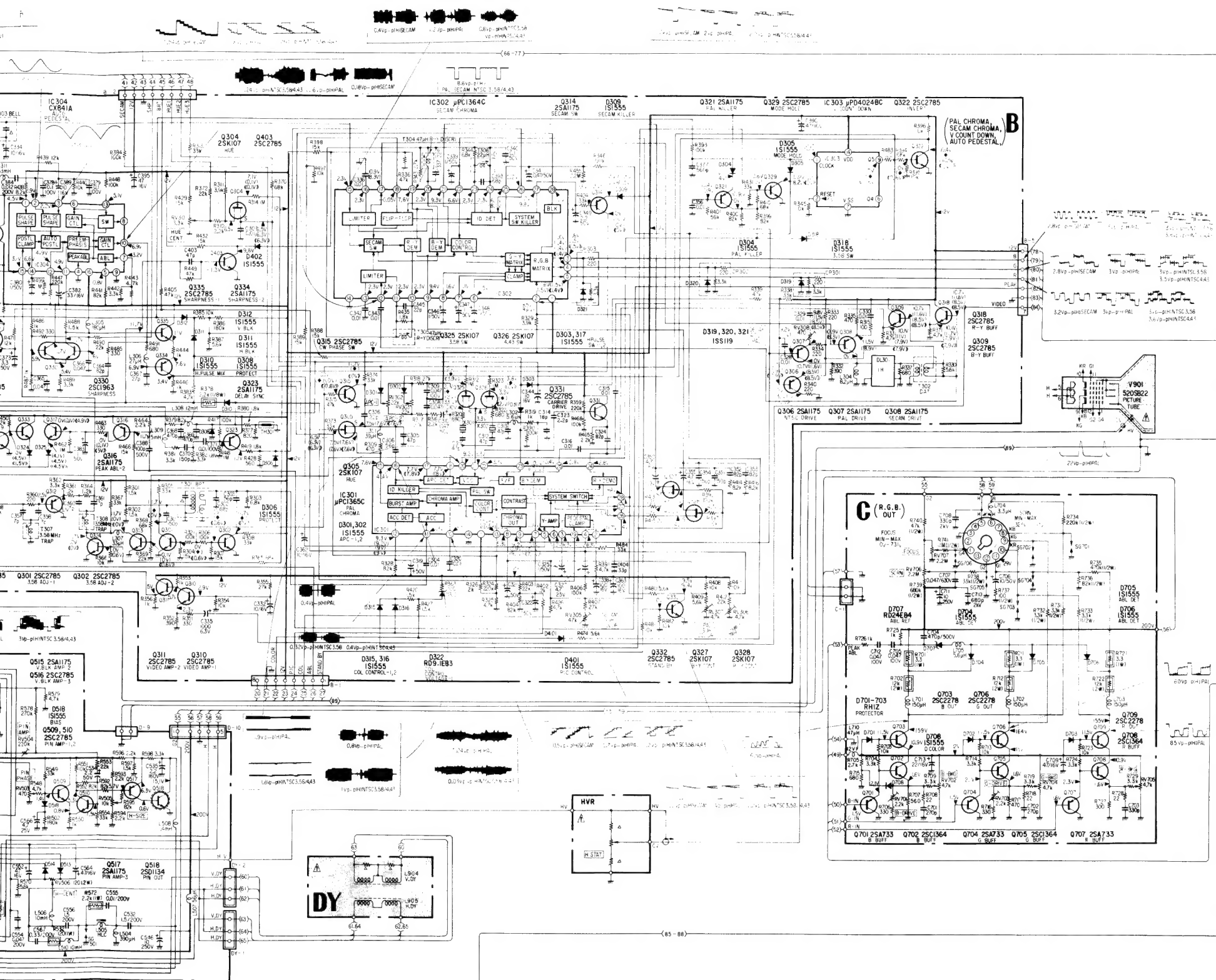


2-3. SCHEMATIC DIAGRAM

Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

- Note:
- All capacitors are in μF unless otherwise noted. pF : μF 50WV or less are not indicated except for electrolytics.
 - All resistors are in ohms, $\frac{1}{4}\text{W}$ unless otherwise noted. $\text{k}\Omega = 1000\Omega$, $\text{M}\Omega = 1000\text{k}\Omega$
 - All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
 -  : nonflammable resistor.
 -  : fusible resistor.
 -  : internal component.
 -  : panel designation.
 - All voltages are in V.
 - Voltages are dc with respect to ground unless otherwise noted.
 - Readings are taken with a 10 $\text{M}\Omega$ digital multimeter.
 - Voltage variations may be noted due to normal production tolerances.
 - Readings are taken with a color-bar signal input.
 -  : adjustment for repair.
 - No make: with PAL color-bar signal received.
 - () : with SECAM color-bar signal received.
 - < > : with NTSC (3.58) color-bar signal received.
 - $\ll \gg$: with NTSC (4.43) color-bar signal received.
 - () : with TELE TEXT signal received.
 - — : B + bus
 - - - - : B - bus





SECTION 3 EXPLODED VIEWS

NOTE:

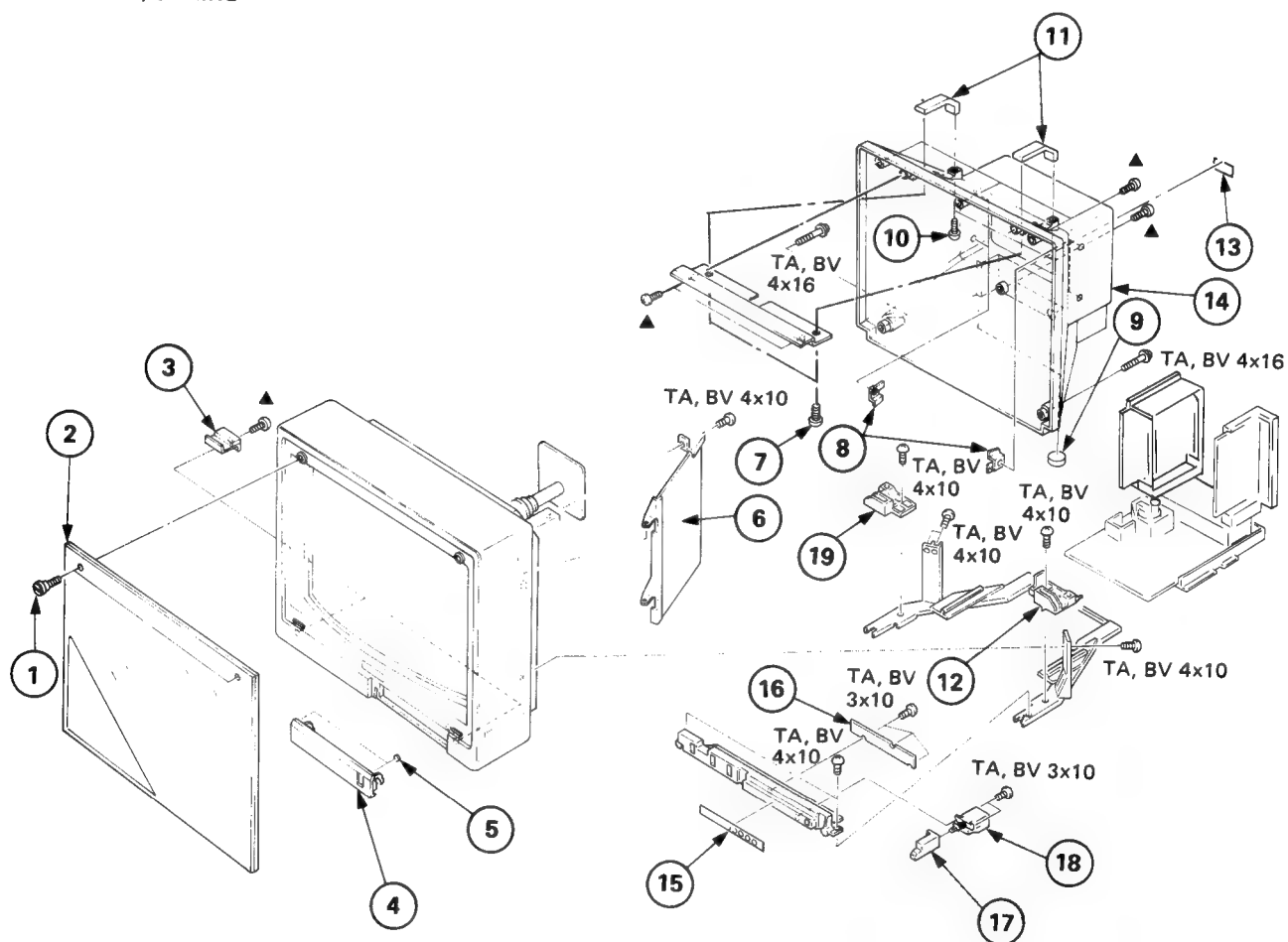
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

- Items marked "▲" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

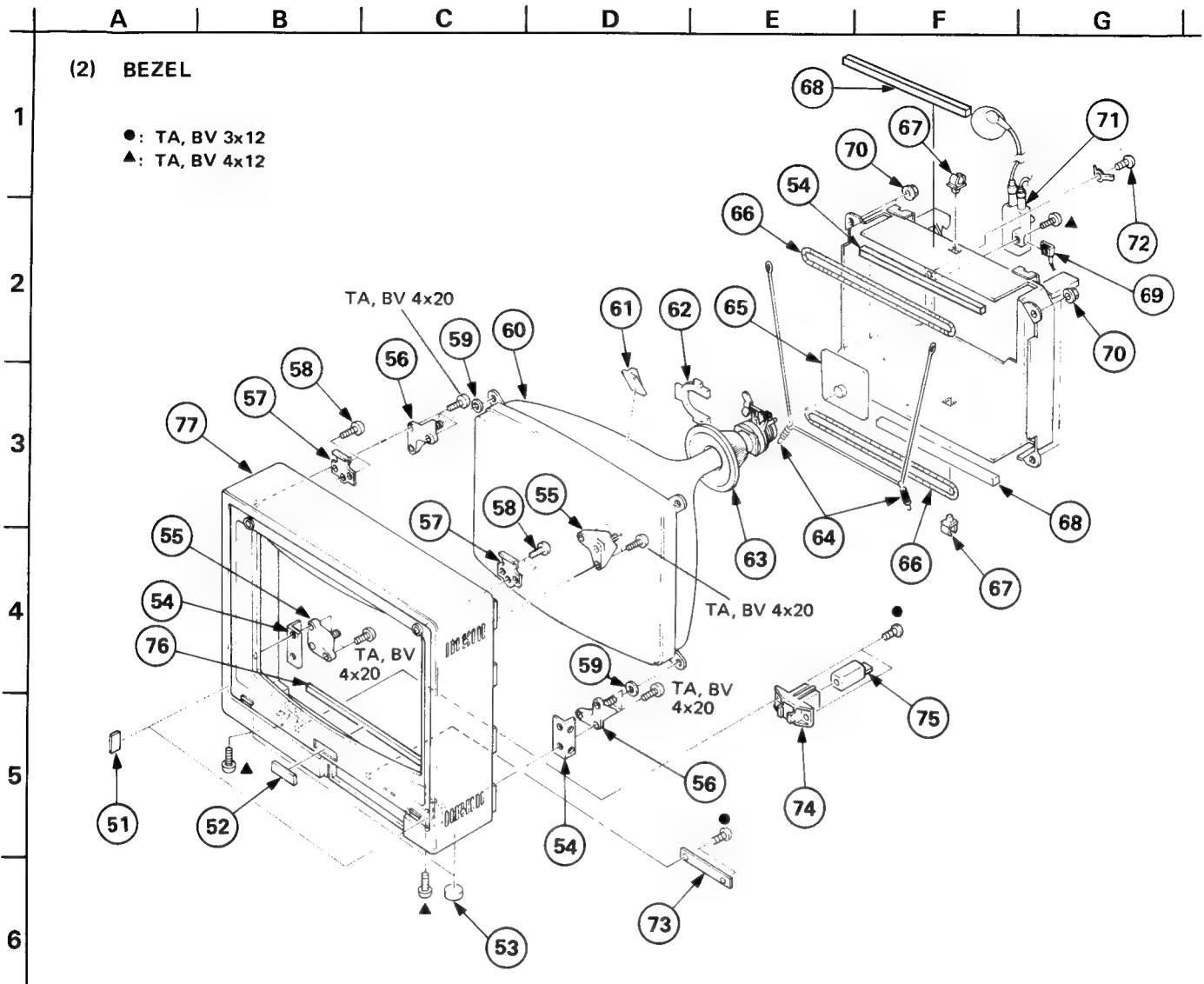
(1) BACK COVER

▲: TA, BV 4x12



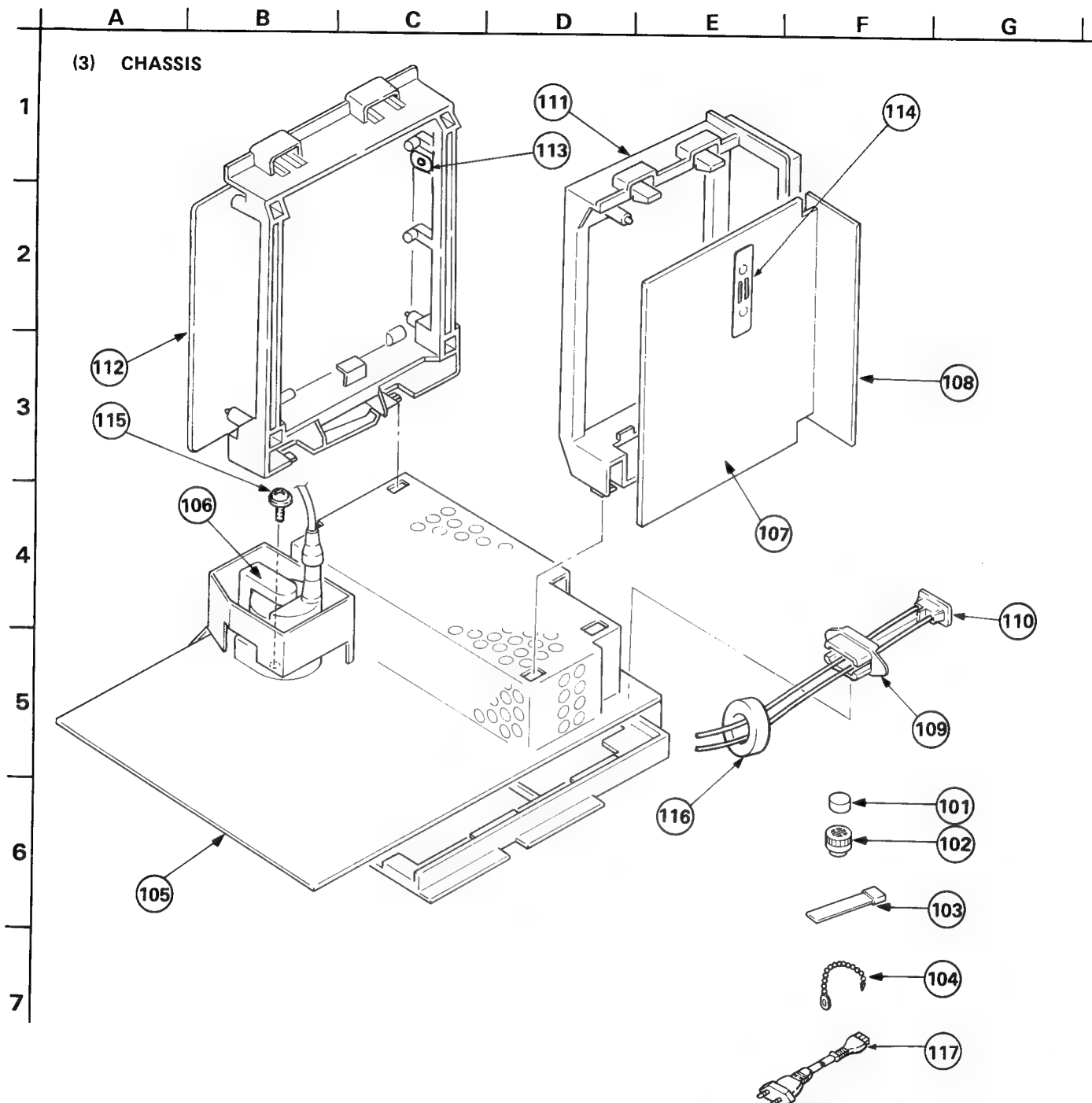
No.	Part No	Description
1	X-4366-805-0	SCREW, ORNAMENTAL
2	4-341-923-00	FILTER
3	X-4337-301-2	RETAINER ASSY, FILTER
4	X-4357-101-0	DOOR ASSY, CONTROL
5	4-314-871-00	CUSHION
6	▲:A-1135-163-A	B BOARD, COMPLETE
7	4-341-920-00	SCREW, SELF LOCK (M5)
8	▲:4-341-903-00	NUT, PLATE (C)
9	4-809-913-XX	FOOT, F
10	4-341-920-11	SCREW, SELF LOCK (M5)

Remark	No.	Part No	Description	Remark
	11	4-341-913-00	HANDLE	
	12	▲:4-357-106-00	BRACKET (RIGHT), BACK COVER	
	13	▲:4-357-138-00	LABEL, MODEL NUMBER	
	14	X-4357-103-0	COVER ASSY, BACK	7,8,9,10,11
	15	▲:4-357-112-00	LABEL, CONTROL	
	16	▲:1-606-639-00	H BOARD	
	17	4-357-121-00	KNOB, POWER	
	18	▲:1-553-225-00	SWITCH, PUSH	
	19	▲:4-357-105-00	BRACKET (LEFT), BACK COVER	



No.	Part No	Description	Remark	No.	Part No	Description	Remark
51	4-341-961-00	SHEET (S)		65	▲:A-1330-364-A	C BOARD, COMPLETE	
52	3-701-912-00	EMBLEM, SONY, (LARGE)		66	▲:1-426-087-42	COIL, DEGAUSSING	
53	4-809-913-XX	FOOT, F		67	●:4-322-922-00	HOLDER, COIL, DEGAUSSER	
54	●:4-310-779-00	CUSHION (B)		68	4-342-053-00	CUSHION (B)	
55	X-4329-101-0	BRACKET-L2 ASSY, CRT		69	●:4-341-912-00	CAP	
56	X-4329-102-0	BRACKET-L1 ASSY, CRT		70	4-306-034-00	FLANGE NUT, (B) 5MM	
57	●:4-341-905-00	NUT, PLATE (A)		71	▲:1-228-253-31	RESISTOR ASSY, HIGH-VOLTAGE	
58	3-703-136-00	SCREW, TAPPING		72	4-305-021-00	SCREW, TAPPING, TERMINAL, +BV3X8	
59	4-348-567-00	WASHER, CRT POSITION		73	●:1-606-640-00	V BOARD	
60	▲:8-738-704-05	PICTURE TUBE (520SB22)		74	●:4-357-119-00	BRACKET, CATCHER, RAY	
61	3-703-003-00	SPACER, DY		75	●:1-606-794-00	N BOARD	
62	1-452-146-00	MAGNET, BMC		76	4-310-778-00	CUSHION (A), CRT	
63	▲:1-451-204-00	DEFLECTION YOKE (SY-108B)		77	X-4357-102-5	BEZEL ASSY	51,52, 53,76
64	4-303-774-XX	SPRING					

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.



No.	Part No	Description
101	1-452-032-00	MAGNET, DISK; 10mm ϕ
102	1-452-094-00	MAGNET, ROTATABLE DISK; 15mm ϕ
103	X-4308-815-0	PERMALLOY ASSY, CONVERGENCE
104	4-308-870-00	CLIP, LEAD WIRE
105	▲:A-1345-370-A	D BOARD, COMPLETE
106	▲:1-439-280-00	TRANSFORMET ASSY, FLYBACK
107	▲:A-1275-042-A	U BOARD, COMPLETE
108	▲:1-536-700-00	TERMINAL BOARD, INPUT OUTPUT
109	▲:4-357-103-00	HOLDER, INLET

No.	Part No	Description	Remark
110	▲:1-561-867-00	INLET 2P	
111	▲:4-357-128-00	PLATE (U), SHIELD	
112	▲:A-1327-002-A	T BOARD, COMPLETE	
113	▲:4-357-139-00	SPACER	
114	▲:4-357-137-00	COVER (V)	
115	4-304-496-00	HEAD, WASHER, TAPPING SCREW	
116	1-543-179-00	CORE, RING	
117	1-555-234-00	CORD POWER	

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

B

SECTION 4 ELECTRICAL PARTS LIST

NOTE:

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

• =>: Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.

• Items marked "A" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
• MF : μ F, PF : μ F

RESISTORS
• All resistors are in ohms
• F : nonflammable

COILS
• MMH : mH, UH : μ H

Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
	A :1-1135-163-A	B BOARD, COMPLETE *****		C346	1-123-380-00	ELECT 1MF 20%	50V
		<u>CONNECTOR</u>		C347	1-123-380-00	ELECT 1MF 20%	50V
B1	A :1-560-128-00	PLUG, CONNECTOR (2.5MM PITCH)		C348	1-123-380-00	ELECT 1MF 20%	50V
B2	A :1-560-128-00	PLUG, CONNECTOR (2.5MM PITCH)		C349	1-123-381-00	ELECT 2.2MF 20%	50V
B3	A :1-508-768-00	6P PLUG		C350	1-121-257-00	ELECT 4.7MF	16V
B5	A :1-560-127-00	PLUG, CONNECTOR (2.5MM) 7P		C351	1-161-313-00	CERAMIC 150PF 10%	50V
B6	A :1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P		C352	1-161-270-00	CERAMIC 82PF 5%	50V
		<u>CAPACITOR</u>		C353	1-161-270-00	CERAMIC 82PF 5%	50V
C301	1-161-313-00	CERAMIC 150PF 10%	50V	C354	1-161-313-00	CERAMIC 150PF 10%	50V
C302	1-161-269-00	CERAMIC 68PF 5%	50V	C355	1-121-257-00	ELECT 4.7MF	16V
C303	1-161-268-00	CERAMIC 56PF 5%	50V	C356	1-161-330-51	CERAMIC 0.01MF 30%	25V
C304	1-161-330-51	CERAMIC 0.01MF 30%	25V	C357	1-102-809-00	CERAMIC 7PF 1PF	50V
C305	1-161-267-00	CERAMIC 47PF 5%	50V	C358	1-102-809-00	CERAMIC 7PF 1PF	50V
C306	1-161-268-00	CERAMIC 56PF 5%	50V	C360	1-102-809-00	CERAMIC 7PF 1PF	50V
C307	1-161-330-51	CERAMIC 0.01MF 30%	25V	C361	1-102-809-00	CERAMIC 7PF 1PF	50V
C308	1-108-385-00	MYLAR 0.047MF 10%	100V	C362	1-123-356-00	ELECT 10MF 20%	16V
C309	1-108-385-00	MYLAR 0.047MF 10%	100V	C363	1-123-333-00	ELECT 100MF 20%	16V
C310	1-123-379-00	ELECT 0.47MF 20%	50V	C364	1-161-270-00	CERAMIC 82PF 5%	50V
C311	1-102-852-00	CERAMIC 47PF 5%	50V	C365	1-101-006-00	CERAMIC 0.047MF 50V	
C312	1-102-852-00	CERAMIC 47PF 5%	50V	C366	1-101-006-00	CERAMIC 0.047MF 50V	
C313	1-161-267-00	CERAMIC 47PF 5%	50V	C367	1-161-264-00	CERAMIC 27PF 5%	50V
C314	1-161-262-00	CERAMIC 18PF 5%	50V	C368	1-161-319-00	CERAMIC 470PF 10%	50V
C315	1-161-330-51	CERAMIC 0.01MF 30%	25V	C369	1-161-319-00	CERAMIC 470PF 10%	50V
C316	1-161-330-51	CERAMIC 0.01MF 30%	25V	C370	1-161-271-00	CERAMIC 150PF 5%	50V
C319	1-123-380-00	ELECT 1MF 20%	50V	C371	1-108-377-00	MYLAR 0.01MF 10%	100V
C320	1-161-330-51	CERAMIC 0.01MF 30%	25V	C372	1-123-379-00	ELECT 0.47MF 20%	50V
C321	1-123-380-00	ELECT 1MF 20%	50V	C373	1-123-382-00	ELECT 3.3MF 20%	50V
C322	1-123-380-00	ELECT 1MF 20%	50V	C377	1-161-320-00	CERAMIC 560PF 10%	50V
C323	1-161-251-00	CERAMIC 2.2PF 10%	50V	C378	1-108-389-00	MYLAR 0.1MF 10%	100V
C324	1-102-971-00	CERAMIC 82P 5%	50V	C379	1-108-389-00	MYLAR 0.1MF 10%	100V
C325	1-123-380-00	ELECT 1MF 20%	50V	C380	1-123-380-00	ELECT 1MF 20%	50V
C326	1-161-263-00	CERAMIC 22PF 5%	50V	C382	1-123-318-00	ELECT 33MF 20%	16V
C327	1-123-328-00	ELECT 4.7MF 20%	25V	C383	1-123-380-00	ELECT 1MF 20%	50V
C328	1-161-330-51	CERAMIC 0.01MF 30%	25V	C384	1-108-422-00	MYLAR 0.012MF 10%	200V
C329	1-161-330-51	CERAMIC 0.01MF 30%	25V	C386	1-123-356-00	ELECT 10MF 20%	16V
C330	1-161-330-51	CERAMIC 0.01MF 30%	25V	C387	1-123-356-00	ELECT 10MF 20%	16V
C332	1-123-356-00	ELECT 10MF 20%	16V	C388	1-101-810-00	CERAMIC 100PF 5%	500V
C333	1-102-679-21	CERAMIC 120PF 5%	50V	C389	1-123-356-00	ELECT 10MF 20%	16V
C334	1-123-356-00	ELECT 10MF 20%	16V	C390	1-123-332-00	ELECT 47MF 20%	16V
C335	1-123-299-00	ELECT 1000MF 20%	6.3V	C393	1-102-525-00	CERAMIC 68PF 5%	50V
C336	1-161-330-51	CERAMIC 0.01MF 30%	25V	C395	1-123-332-00	ELECT 47MF 20%	16V
C337	1-102-892-00	CERAMIC 22PF 5%	50V	C397	1-108-393-00	MYLAR 0.22MF 10%	100V
C338	1-123-333-00	ELECT 100MF 20%	16V	C401	1-108-385-00	MYLAR 0.047MF 10%	100V
C339	1-123-380-00	ELECT 1MF 20%	50V	C402	1-123-332-00	ELECT 47MF 20%	16V
C340	1-108-849-00	MYLAR 0.1MF 10%	50V	C403	1-161-267-00	CERAMIC 47PF 5%	50V
C341	1-123-379-00	ELECT 0.47MF 20%	50V	C404	1-161-265-00	CERAMIC 33PF 5%	50V
C342	1-101-004-00	CERAMIC 0.01MF	50V				
C343	1-161-330-51	CERAMIC 0.01MF 30%	25V				
C344	1-123-356-00	ELECT 10MF 20%	16V				
C345	1-102-892-00	CERAMIC 22PF 5%	50V				

Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
<u>DIODE</u>							
D301	=>8-719-911-19	DIODE 1SS119		Q307	8-729-117-54	TRANSISTOR 2SA1175	
D302	=>8-719-911-19	DIODE 1SS119		Q308	8-729-117-54	TRANSISTOR 2SA1175	
D303	=>8-719-911-19	DIODE 1SS119		Q309	8-729-178-54	TRANSISTOR 2SC2785	
D304	=>8-719-911-19	DIODE 1SS119		Q310	8-729-178-54	TRANSISTOR 2SC2785	
D305	=>8-719-911-19	DIODE 1SS119		Q311	8-729-178-54	TRANSISTOR 2SC2785	
D306	=>8-719-911-19	DIODE 1SS119		Q312	8-729-117-54	TRANSISTOR 2SA1175	
D308	=>8-719-911-19	DIODE 1SS119		Q313	8-729-178-54	TRANSISTOR 2SC2785	
D309	=>8-719-911-19	DIODE 1SS119		Q314	8-729-117-54	TRANSISTOR 2SA1175	
D310	=>8-719-911-19	DIODE 1SS119		Q315	8-729-178-54	TRANSISTOR 2SC2785	
D311	=>8-719-911-19	DIODE 1SS119		Q316	8-729-117-54	TRANSISTOR 2SA1175	
D312	=>8-719-911-19	DIODE 1SS119		Q317	8-729-178-54	TRANSISTOR 2SC2785	
D315	=>8-719-911-19	DIODE 1SS119		Q318	8-729-178-54	TRANSISTOR 2SC2785	
D316	=>8-719-911-19	DIODE 1SS119		Q319	8-729-178-54	TRANSISTOR 2SC2785	
D317	=>8-719-911-19	DIODE 1SS119		Q321	8-729-117-54	TRANSISTOR 2SA1175	
D318	=>8-719-911-19	DIODE 1SS119		Q322	8-729-178-54	TRANSISTOR 2SC2785	
D322	8-719-100-55	DIODE RD91E-B3		Q323	8-729-117-54	TRANSISTOR 2SA1175	
D324	8-719-815-55	DIODE 1S1555		Q324	8-729-178-54	TRANSISTOR 2SC2785	
D325	8-719-815-55	DIODE 1S1555		Q325	8-769-200-20	TRANSISTOR 2SK107-2	
D401	=>8-719-911-19	DIODE 1SS119		Q326	8-769-200-20	TRANSISTOR 2SK107-2	
D402	8-719-815-55	DIODE 1S1555		Q327	8-769-200-20	TRANSISTOR 2SK107-2	
<u>DELAY LINE</u>				Q328	8-769-200-20	TRANSISTOR 2SK107-2	
DL301	1-415-122-31	DELAY LINE		Q329	8-729-178-54	TRANSISTOR 2SC2785	
DL302	1-415-188-00	DELAY LINE		Q330	8-765-222-20	TRANSISTOR 2SC1963	
<u>IC</u>				Q331	8-729-178-54	TRANSISTOR 2SC2785	
IC301	8-759-113-65	IC UPC1365C		Q332	8-729-178-54	TRANSISTOR 2SC2785	
IC302	8-759-100-15	IC UPC1364C		Q333	8-729-178-54	TRANSISTOR 2SC2785	
IC303	=>8-759-240-24	IC TC4024BP		Q334	8-729-117-54	TRANSISTOR 2SA1175	
IC304	8-759-905-15	IC CX841A		Q335	8-729-178-54	TRANSISTOR 2SC2785	
<u>COIL</u>				Q336	8-729-178-54	TRANSISTOR 2SC2785	
L301	1-407-700-00	MICRO INDUCTOR 39UH		Q401	8-729-178-54	TRANSISTOR 2SC2785	
L302	1-407-690-00	MICRO INDUCTOR 5.6UH		<u>RESISTOR</u>			
L304	1-407-189-XX	MICRO INDUCTOR 8.2UH		R301	1-246-477-00	CARBON 1.5K 5% 1/4W	
L305	1-407-708-00	MICRO INDUCTOR 180UH		R302	1-246-477-00	CARBON 1.5K 5% 1/4W	
L306	1-407-698-00	MICRO INDUCTOR 27UH		R303	1-246-493-00	CARBON 6.8K 5% 1/4W	
L307	1-407-163-XX	MICRO INDUCTOR 33UH		R304	1-246-501-00	CARBON 15K 5% 1/4W	
L308	1-408-243-00	MICRO INDUCTOR 12MMH		R305	1-246-509-00	CARBON 33K 5% 1/4W	
L309	1-408-160-00	MICRO INDUCTOR 15MMH		R306	1-246-521-00	CARBON 100K 5% 1/4W	
L311	1-408-247-00	MICRO INDUCTOR 33MMH		R307	1-246-501-00	CARBON 15K 5% 1/4W	
L312	1-407-169-XX	MICRO INDUCTOR 100UH		R308	1-246-509-00	CARBON 33K 5% 1/4W	
<u>TRANSISTOR</u>				R309	1-246-465-00	CARBON 470 5% 1/4W	
Q301	8-729-178-54	TRANSISTOR 2SC2785		R310	1-246-481-00	CARBON 2.2K 5% 1/4W	
Q302	8-729-178-54	TRANSISTOR 2SC2785		R311	1-246-487-00	CARBON 3.9K 5% 1/4W	
Q304	8-769-200-20	TRANSISTOR 2SK107-2		R312	1-246-545-00	CARBON 1M 5% 1/4W	
Q305	8-769-200-20	TRANSISTOR 2SK107-2		R313	1-246-509-00	CARBON 33K 5% 1/4W	
Q306	8-729-117-54	TRANSISTOR 2SA1175		R314	1-246-545-00	CARBON 1M 5% 1/4W	
				R315	1-246-449-00	CARBON 100 5% 1/4W	
				R316	1-246-481-00	CARBON 2.2K 5% 1/4W	
				R317	1-246-507-00	CARBON 27K 5% 1/4W	
				R318	1-246-507-00	CARBON 27K 5% 1/4W	
				R319	1-246-473-00	CARBON 1K 5% 1/4W	



Ref.No	Part No	Description	Remark				Ref.No	Part No	Description	Remark			
R320	1-246-469-00	CARBON	680	5%	1/4W		R378	1-246-996-00	CARBON	2.2K	5%	1/8W	F
R321	1-246-521-00	CARBON	100K	5%	1/4W		R379	1-246-495-00	CARBON	8.2K	5%	1/4W	
R322	1-246-469-00	CARBON	680	5%	1/4W		R380	1-246-479-00	CARBON	1.8K	5%	1/4W	
R323	1-246-545-00	CARBON	1M	5%	1/4W		R381	1-246-485-00	CARBON	3.3K	5%	1/4W	
R324	1-246-529-00	CARBON	220K	5%	1/4W		R382	1-246-485-00	CARBON	3.3K	5%	1/4W	
R325	1-246-489-00	CARBON	4.7K	5%	1/4W		R383	1-246-489-00	CARBON	4.7K	5%	1/4W	
R326	1-246-480-00	CARBON	2K	5%	1/4W		R384	1-246-521-00	CARBON	100K	5%	1/4W	
R328	1-246-519-00	CARBON	82K	5%	1/4W		R385	1-246-497-00	CARBON	10K	5%	1/4W	
R329	1-246-487-00	CARBON	3.9K	5%	1/4W		R386	1-246-527-00	CARBON	180K	5%	1/4W	
R330	1-246-491-00	CARBON	5.6K	5%	1/4W		R387	1-246-491-00	CARBON	5.6K	5%	1/4W	
R331	1-246-489-00	CARBON	4.7K	5%	1/4W		R388	1-246-501-00	CARBON	15K	5%	1/4W	
R332	1-246-463-00	CARBON	390	5%	1/4W		R389	1-246-501-00	CARBON	15K	5%	1/4W	
R333	1-246-457-00	CARBON	220	5%	1/4W		R390	1-246-521-00	CARBON	100K	5%	1/4W	
R334	1-246-457-00	CARBON	220	5%	1/4W		R391	1-246-489-00	CARBON	4.7K	5%	1/4W	
R335	1-246-465-00	CARBON	470	5%	1/4W		R392	1-246-521-00	CARBON	100K	5%	1/4W	
R336	1-246-513-00	CARBON	47K	5%	1/4W		R393	1-246-521-00	CARBON	100K	5%	1/4W	
R337	1-246-469-00	CARBON	680	5%	1/4W		R394	1-246-517-00	CARBON	68K	5%	1/4W	
R338	1-246-509-00	CARBON	33K	5%	1/4W		R395	1-246-497-00	CARBON	10K	5%	1/4W	
R339	1-246-513-00	CARBON	47K	5%	1/4W		R396	1-246-497-00	CARBON	10K	5%	1/4W	
R340	1-246-457-00	CARBON	220	5%	1/4W		R397	1-246-521-00	CARBON	100K	5%	1/4W	
R341	1-246-469-00	CARBON	680	5%	1/4W		R398	1-246-501-00	CARBON	15K	5%	1/4W	
R342	1-246-455-00	CARBON	180	5%	1/4W		R399	1-246-519-00	CARBON	82K	5%	1/4W	
R343	1-246-483-00	CARBON	2.7K	5%	1/4W		R400	1-246-519-00	CARBON	82K	5%	1/4W	
R344	1-246-493-00	CARBON	6.8K	5%	1/4W		R401	1-246-515-00	CARBON	56K	5%	1/4W	
R345	1-246-497-00	CARBON	10K	5%	1/4W		R402	1-246-499-00	CARBON	12K	5%	1/4W	
R346	1-246-521-00	CARBON	100K	5%	1/4W		R403	1-246-505-00	CARBON	22K	5%	1/4W	
R351	1-246-461-00	CARBON	330	5%	1/4W		R404	1-246-519-00	CARBON	82K	5%	1/4W	
R352	1-246-463-00	CARBON	390	5%	1/4W		R405	1-246-513-00	CARBON	47K	5%	1/4W	
R353	1-246-473-00	CARBON	1K	5%	1/4W		R406	1-246-521-00	CARBON	100K	5%	1/4W	
R354	1-246-497-00	CARBON	10K	5%	1/4W		R407	1-246-507-00	CARBON	27K	5%	1/4W	
R355	1-246-507-00	CARBON	27K	5%	1/4W		R408	1-246-497-00	CARBON	10K	5%	1/4W	
R356	1-246-473-00	CARBON	1K	5%	1/4W		R409	1-246-491-00	CARBON	5.6K	5%	1/4W	
R357	1-246-477-00	CARBON	1.5K	5%	1/4W		R410	1-246-517-00	CARBON	68K	5%	1/4W	
R358	1-246-477-00	CARBON	1.5K	5%	1/4W		R411	1-246-497-00	CARBON	10K	5%	1/4W	
R359	1-246-529-00	CARBON	220K	5%	1/4W		R412	1-246-505-00	CARBON	22K	5%	1/4W	
R360	1-246-457-00	CARBON	220	5%	1/4W		R413	1-246-457-00	CARBON	220	5%	1/4W	
R361	1-246-475-00	CARBON	1.2K	5%	1/4W		R414	1-246-495-00	CARBON	8.2K	5%	1/4W	
R362	1-246-485-00	CARBON	3.3K	5%	1/4W		R415	1-246-457-00	CARBON	220	5%	1/4W	
R363	1-246-449-00	CARBON	100	5%	1/4W		R416	1-246-495-00	CARBON	8.2K	5%	1/4W	
R364	1-246-475-00	CARBON	1.2K	5%	1/4W		R417	1-246-521-00	CARBON	100K	5%	1/4W	
R365	1-246-517-00	CARBON	68K	5%	1/4W		R418	1-246-545-00	CARBON	1M	5%	1/4W	
R366	1-246-497-00	CARBON	10K	5%	1/4W		R419	1-246-479-00	CARBON	1.8K	5%	1/4W	
R367	1-246-509-00	CARBON	33K	5%	1/4W		R420	1-246-477-00	CARBON	1.5K	5%	1/4W	
R368	1-246-517-00	CARBON	68K	5%	1/4W		R424	1-246-509-00	CARBON	33K	5%	1/4W	
R369	1-246-505-00	CARBON	22K	5%	1/4W		R425	1-246-497-00	CARBON	10K	5%	1/4W	
R370	1-246-517-00	CARBON	68K	5%	1/4W		R426	1-246-489-00	CARBON	4.7K	5%	1/4W	
R371	1-246-489-00	CARBON	4.7K	5%	1/4W		R427	1-246-477-00	CARBON	1.5K	5%	1/4W	
R372	1-246-505-00	CARBON	22K	5%	1/4W		R428	1-246-467-00	CARBON	560	5%	1/4W	
R373	1-246-509-00	CARBON	33K	5%	1/4W		R429	1-246-501-00	CARBON	15K	5%	1/4W	
R374	1-246-509-00	CARBON	33K	5%	1/4W		R431	1-246-509-00	CARBON	33K	5%	1/4W	
R375	1-246-513-00	CARBON	47K	5%	1/4W		R432	1-246-501-00	CARBON	15K	5%	1/4W	
R377	1-246-471-00	CARBON	820	5%	1/4W								

Ref.No	Part No	Description	Remark			Ref.No	Part No	Description	Remark		
R435	1-246-479-00	CARBON	1.8K	5%	1/4W	RV305	1-226-853-00	RES, ADJ, CARBON 47K			
R436	1-246-521-00	CARBON	100K	5%	1/4W	RV306	1-226-850-00	RES, ADJ, CARBON 4.7K			
R437	1-246-490-00	CARBON	5.1K	5%	1/4W	RV307	1-226-850-00	RES, ADJ, CARBON 4.7K			
R438	1-246-495-00	CARBON	8.2K	5%	1/4W	RV308	1-226-846-00	RES, ADJ, CARBON 470			
R439	1-246-499-00	CARBON	12K	5%	1/4W	TRANSFORMER					
R440	1-246-497-00	CARBON	10K	5%	1/4W	T301	1-425-786-00	TRANSFORMER, BANDPASS(BPT)			
R441	1-246-519-00	CARBON	82K	5%	1/4W	T302	1-404-081-00	TRANSFORMER, DELAY ADJUST; DAT			
R442	1-246-485-00	CARBON	3.3K	5%	1/4W	T303	1-404-146-00	TRANSFORMER			
R443	1-246-489-00	CARBON	4.7K	5%	1/4W	T304	1-407-573-00	COIL, VARIABLE 47			
R444	1-246-473-00	CARBON	1K	5%	1/4W	T305	1-407-573-00	COIL, VARIABLE 47			
R446	1-246-473-00	CARBON	1K	5%	1/4W	T306	1-407-571-00	COIL, VARIABLE 22			
R447	1-246-529-00	CARBON	220K	5%	1/4W	T307	1-409-193-00	COIL 3.58MHZ TRAP			
R448	1-246-521-00	CARBON	100K	5%	1/4W	T308	1-409-193-00	COIL 3.58MHZ TRAP			
R449	1-246-513-00	CARBON	47K	5%	1/4W	THERMISTOR					
R450	1-246-499-00	CARBON	12K	5%	1/4W	TH301	1-800-626-00	THERMISTOR			
R455	1-202-463-00	COMPOSITION	2.2M	5%	1/4W	CRYSTAL					
R462	1-246-545-00	CARBON	1M	5%	1/4W	X301	1-527-396-00	CRYSTAL, OSC			
R463	1-246-461-00	CARBON	330	5%	1/4W	X302	1-527-345-00	CRYSTAL, OSC			
R464	1-246-481-00	CARBON	2.2K	5%	1/4W	*****					
R465	1-246-481-00	CARBON	2.2K	5%	1/4W	⚡:A-1275-042-A U BOARD, COMPLETE					
R466	1-246-501-00	CARBON	15K	5%	1/4W	*****					
R467	1-246-517-00	CARBON	68K	5%	1/4W	⚡:4-356-355-00 HEAT SINK (U)					
R468	1-246-521-00	CARBON	100K	5%	1/4W	CAPACITOR					
R469	1-246-497-00	CARBON	10K	5%	1/4W	C201	1-123-380-00	ELECT	1MF	20% 50V	
R470	1-246-505-00	CARBON	22K	5%	1/4W	C202	1-123-332-00	ELECT	47MF	20% 16V	
R471	1-246-499-00	CARBON	12K	5%	1/4W	C203	1-123-356-00	ELECT	10MF	20% 16V	
R472	1-246-497-00	CARBON	10K	5%	1/4W	C204	1-123-380-00	ELECT	1MF	20% 50V	
R473	1-246-497-00	CARBON	10K	5%	1/4W	C205	1-123-332-00	ELECT	47MF	20% 16V	
R474	1-246-491-00	CARBON	5.6K	5%	1/4W	C206	1-123-356-00	ELECT	10MF	20% 16V	
R475	1-246-481-00	CARBON	2.2K	5%	1/4W	C207	1-123-333-00	ELECT	100MF	20% 16V	
R476	1-246-505-00	CARBON	22K	5%	1/4W	C208	1-123-321-00	ELECT	220MF	20% 16V	
R479	1-246-493-00	CARBON	6.8K	5%	1/4W	C209	1-108-373-00	MYLAR	0.0047MF	10% 100V	
R480	1-246-491-00	CARBON	5.6K	5%	1/4W	C210	1-108-254-00	MYLAR	0.22MF	10% 50V	
R481	1-246-497-00	CARBON	10K	5%	1/4W	C211	1-123-356-00	ELECT	10MF	20% 16V	
R482	1-246-497-00	CARBON	10K	5%	1/4W	C212	1-123-356-00	ELECT	10MF	20% 16V	
R483	1-246-457-00	CARBON	220	5%	1/4W	C213	1-108-373-00	MYLAR	0.0047MF	10% 100V	
R484	1-246-509-00	CARBON	33K	5%	1/4W	C214	1-108-254-00	MYLAR	0.22MF	10% 50V	
R485	1-246-461-00	CARBON	330	5%	1/4W	C215	1-123-332-00	ELECT	47MF	20% 16V	
R486	1-246-473-00	CARBON	1K	5%	1/4W	C216	1-123-332-00	ELECT	47MF	20% 16V	
R487	1-246-473-00	CARBON	1K	5%	1/4W	C217	1-123-328-00	ELECT	4.7MF	20% 25V	
R488	1-246-477-00	CARBON	1.5K	5%	1/4W	C218	1-123-323-00	ELECT	470MF	20% 16V	
R489	1-246-485-00	CARBON	3.3K	5%	1/4W	C219	1-123-332-00	ELECT	47MF	20% 16V	
R490	1-246-505-00	CARBON	22K	5%	1/4W	C220	1-123-380-00	ELECT	1MF	20% 50V	
R491	1-246-469-00	CARBON	680	5%	1/4W	C221	1-123-333-00	ELECT	100MF	20% 16V	
R492	1-246-461-00	CARBON	330	5%	1/4W	C222	1-108-367-00	MYLAR	0.0015MF	10% 100V	
R497	1-246-497-00	CARBON	10K	5%	1/4W	C223	1-123-332-00	ELECT	47MF	20% 16V	
R499	1-246-545-00	CARBON	1M	5%	1/4W	C224	1-161-317-00	CERAMIC	330PF	10% 50V	
VARIABLE RESISTOR											
RV301	1-226-849-00	RES, ADJ, CARBON 3.3K									
RV302	1-226-852-00	RES, ADJ, CARBON 22K									
RV303	1-226-852-00	RES, ADJ, CARBON 22K									



Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
C225	1-123-356-00	ELECT	10MF 20% 50V	D212	=>8-719-911-19	DIODE 1SS119	
C226	1-123-336-00	ELECT	470MF 20% 25V	D213	=>8-719-911-19	DIODE 1SS119	
C227	1-123-333-00	ELECT	100MF 20% 16V	D214	=>8-719-911-19	DIODE 1SS119	
C228	1-123-380-00	ELECT	1MF 20% 50V	D215	=>8-719-911-19	DIODE 1SS119	
C229	1-123-333-00	ELECT	100MF 20% 16V	D216	8-719-911-19	DIODE 1SS119	
C230	1-123-333-00	ELECT	100MF 20% 16V	D218	=>8-719-911-19	DIODE 1SS119	
C231	1-108-367-00	MYLAR	0.0015MF 10% 100V	D219	=>8-719-911-19	DIODE 1SS119	
C232	1-108-367-00	MYLAR	0.0015MF 10% 100V	D220	=>8-719-911-19	DIODE 1SS119	
C233	1-123-379-00	ELECT	0.47MF 20% 50V	D221	=>8-719-911-19	DIODE 1SS119	
C234	1-123-379-00	ELECT	0.47MF 20% 50V	D222	8-719-100-49	DIODE RB8.2E-B3	
C235	1-123-331-00	ELECT	33MF 20% 25V	D223	=>8-719-911-19	DIODE 1SS119	
C236	1-123-332-00	ELECT	47MF 20% 16V		IC		
C237	1-123-332-00	ELECT	47MF 20% 16V	IC201	8-759-276-30	IC TA7630P	
C238	1-123-333-00	ELECT	100MF 20% 16V	IC202	8-759-313-89	IC HA1389	
C239	1-123-333-00	ELECT	100MF 20% 16V	IC203	8-759-313-89	IC HA1389	
C240	1-108-367-00	MYLAR	0.0015MF 10% 100V	IC204	8-759-600-03	IC M50120P	
C241	1-123-332-00	ELECT	47MF 20% 16V	IC205	8-759-700-06	IC NJM7812B	
C242	1-161-317-00	CERAMIC	330PF 10% 50V	IC206	8-759-145-58	IC UPC4558C	
C243	1-108-389-00	MYLAR	0.1MF 10% 100V	IC207	8-759-145-58	IC UPC4558C	
C244	1-123-336-00	ELECT	470MF 20% 25V	IC208	8-759-700-06	IC NJM7812B	
C246	1-108-385-00	MYLAR	0.047MF 10% 100V		COIL		
C247	1-123-321-00	ELECT	220MF 20% 16V	L201	1-407-488-00	MICRO INDUCTOR 470UH	
C248	1-123-380-00	ELECT	1MF 20% 50V	L202	1-407-169-X X	MICRO INDUCTOR 100UH	
C249	1-161-313-00	CERAMIC	150PF 10% 50V	L203	1-407-168-X X	MICRO INDUCTOR 82UH	
C250	1-161-313-00	CERAMIC	150PF 10% 50V		TRANSISTOR		
C251	1-108-386-00	MYLAR	0.056MF 10% 100V	Q201	8-729-178-54	TRANSISTOR 2SC2785	
C252	1-123-380-00	ELECT	1MF 20% 50V	Q202	8-729-178-54	TRANSISTOR 2SC2785	
C253	1-123-330-00	ELECT	22MF 20% 16V	Q204	8-729-117-54	TRANSISTOR 2SA1175	
C254	1-123-380-00	ELECT	1MF 20% 50V	Q205	=>8-769-200-20	TRANSISTOR 2SK107-2	
C255	1-108-389-00	MYLAR	0.1MF 10% 100V	Q206	8-729-178-54	TRANSISTOR 2SC2785	
C256	1-108-385-00	MYLAR	0.047MF 10% 100V	Q207	8-729-117-54	TRANSISTOR 2SA1175	
C257	1-123-333-00	ELECT	100MF 20% 25V	Q211	8-729-178-54	TRANSISTOR 2SC2785	
C258	1-123-350-00	ELECT	2200MF 20% 35V	Q212	8-729-178-54	TRANSISTOR 2SC2785	
C259	1-123-380-00	ELECT	1MF 20% 50V	Q213	8-729-109-53	TRANSISTOR 2SD795A	
C260	1-123-380-00	ELECT	1MF 20% 50V	Q214	8-729-117-54	TRANSISTOR 2SA1175	
C261	1-123-332-00	ELECT	47MF 20% 25V	Q215	=>8-729-600-27	TRANSISTOR 2SC634SP7	
C262	1-123-380-00	ELECT	1MF 20% 50V		RESISTOR		
C263	1-123-333-00	ELECT	100MF 20% 25V	R200	1-202-723-00	COMPOSITION 2.2M 10% 1/2W	
C264	1-161-328-51	CERAMIC	0.0047MF 30% 50V	R201	1-246-537-00	CARBON 470K 5% 1/4W	
C265	1-123-296-00	ELECT	220MF 20% 6.3V	R202	1-246-473-00	CARBON 1K 5% 1/4W	
C266	1-102-112-00	CERAMIC	330PF 10% 50V	R203	1-246-515-00	CARBON 56K 5% 1/4W	
C267	1-102-112-00	CERAMIC	330PF 10% 50V	R204	1-246-515-00	CARBON 56K 5% 1/4W	
C268	1-102-114-00	CERAMIC	470PF 10% 50V	R205	1-212-875-00	FUSIBLE 56 5% 1/4W	F
C269	1-102-114-00	CERAMIC	470PF 10% 50V	R206	1-246-497-00	CARBON 10K 5% 1/4W	
		FILTER		R207	1-246-529-00	CARBON 220K 5% 1/4W	
CF201	1-527-476-00	OSCILLATOR, CERAMIC		R208	1-246-497-00	CARBON 10K 5% 1/4W	
		DIODE		R209	1-246-489-00	CARBON 4.7K 5% 1/4W	
D201	=>8-719-911-19	DIODE 1SS119		R210	1-246-485-00	CARBON 3.3K 5% 1/4W	
D202	8-719-100-49	DIODE RB8.2E-B3		R211	1-246-537-00	CARBON 470K 5% 1/4W	
D204	=>8-719-911-19	DIODE 1SS119		R212	1-246-473-00	CARBON 1K 5% 1/4W	
D205	8-719-102-90	DIODE RD10E-N2		R213	1-246-505-00	CARBON 22K 5% 1/4W	
D206	=>8-719-911-19	DIODE 1SS119		R214	1-246-487-00	CARBON 3.9K 5% 1/4W	
D207	=>8-719-911-19	DIODE 1SS119		R215	1-246-449-00	CARBON 100 5% 1/4W	
D208	=>8-719-911-19	DIODE 1SS119		R216	1-246-507-00	CARBON 27K 5% 1/4W	
D209	8-719-100-58	DIODE RD10E-B3					
D210	=>8-719-911-19	DIODE 1SS119					
D211	=>8-719-911-19	DIODE 1SS119					

Ref.No	Part No	Description				Remark	Ref.No	Part No	Description				Remark
R217	1-246-505-00	CARBON	22K	5%	1/4W		R277	1-246-509-00	CARBON	33K	5%	1/4W	
R218	1-246-485-00	CARBON	3.3K	5%	1/4W		R278	1-246-513-00	CARBON	47K	5%	1/4W	
R219	1-246-489-00	CARBON	4.7K	5%	1/4W		R279	1-246-521-00	CARBON	100K	5%	1/4W	
R220	1-246-511-00	CARBON	39K	5%	1/4W		R280	1-246-521-00	CARBON	100K	5%	1/4W	
R221	1-246-511-00	CARBON	39K	5%	1/4W		R281	1-246-513-00	CARBON	47K	5%	1/4W	
R222	1-246-477-00	CARBON	1.5K	5%	1/4W		R282	1-246-449-00	CARBON	100	5%	1/4W	
R223	1-246-477-00	CARBON	1.5K	5%	1/4W		R283	1-246-449-00	CARBON	100	5%	1/4W	
R224	1-246-497-00	CARBON	10K	5%	1/4W		R285	1-246-497-00	CARBON	10K	5%	1/4W	
R225	1-246-497-00	CARBON	10K	5%	1/4W		R286	1-246-497-00	CARBON	10K	5%	1/4W	
R227	1-246-505-00	CARBON	22K	5%	1/4W		R287	1-246-497-00	CARBON	10K	5%	1/4W	
R228	1-246-451-00	CARBON	120	5%	1/4W		R288	1-246-463-00	CARBON	390	5%	1/4W	
R229	1-213-131-00	METAL	100	5%	1W	F	R289	1-246-455-00	CARBON	180	5%	1/4W	
R230	1-247-023-00	CARBON	2.2	5%	1/8W	F	R290	1-246-501-00	CARBON	15K	5%	1/4W	
R231	1-246-473-00	CARBON	1K	5%	1/4W		R291	1-246-517-00	CARBON	68K	5%	1/4W	
R232	1-246-449-00	CARBON	100	5%	1/4W		R292	1-246-513-00	CARBON	47K	5%	1/4W	
R233	1-246-457-00	CARBON	220	5%	1/4W		R293	1-246-505-00	CARBON	22K	5%	1/4W	
R234	1-246-505-00	CARBON	22K	5%	1/4W		R294	1-202-735-00	COMPOSITION	22M	10%	1/2W	
R235	1-246-451-00	CARBON	120	5%	1/4W		R295	1-246-477-00	CARBON	1.5K	5%	1/4W	
R236	1-213-131-00	METAL	100	5%	1W	F	R296	1-246-477-00	CARBON	1.5K	5%	1/4W	
R237	1-247-023-00	CARBON	2.2	5%	1/8W	F	R297	1-207-616-00	WIREWOUND	0.47	10%	2W	F
							R298	1-246-495-00	CARBON	8.2K	5%	1/4W	
							R299	1-206-656-00	METAL	470	5%	2W	F
R238	1-246-473-00	CARBON	1K	5%	1/4W		<u>VARIABLE RESISTOR</u>						
R239	1-246-449-00	CARBON	100	5%	1/4W		RV201	1-226-853-00	RES, ADJ, CARBON 47K				
R240	1-246-505-00	CARBON	22K	5%	1/4W		<u>THERMISTOR</u>						
R241	1-246-491-00	CARBON	5.6K	5%	1/4W		TH201	1-800-954-00	THERMISTOR S-3K				
R242	1-246-505-00	CARBON	22K	5%	1/4W		<u>CONNECTOR</u>						
R243	1-202-735-00	COMPOSITION	22M	10%	1/2W		U1	1-560-156-00	PLUG, CONNECTOR (2.5MM PITCH)				
R245	1-246-521-00	CARBON	100K	5%	1/4W		U2	1-560-129-00	PLUG, CONNECTOR (2.5MM) 9P				
R246	1-246-505-00	CARBON	22K	5%	1/4W		U3	1-560-128-00	PLUG, CONNECTOR (2.5MM PITCH)				
R247	1-246-477-00	CARBON	1.5K	5%	1/4W		U4	1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P				
R248	1-246-477-00	CARBON	1.5K	5%	1/4W		U5	1-508-766-00	4P PLUG (M)				
R249	1-246-481-00	CARBON	2.2K	5%	1/4W		U7	1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P				
R250	1-246-489-00	CARBON	4.7K	5%	1/4W		U8	1-508-784-00	1P PLUG				
R251	1-246-509-00	CARBON	33K	5%	1/4W		U9	1-508-784-00	1P PLUG				
R252	1-246-497-00	CARBON	10K	5%	1/4W		*****						
R253	1-246-497-00	CARBON	10K	5%	1/4W		1-606-794-00	N BOARD					
R254	1-246-497-00	CARBON	10K	5%	1/4W		*****						
R255	1-246-473-00	CARBON	1K	5%	1/4W		1-556-018-61	CONNECTOR ASSY (2.5MM) 3P					
R256	1-246-497-00	CARBON	10K	5%	1/4W		4-333-624-00	FILM (N), SPECIAL					
R257	1-246-513-00	CARBON	47K	5%	1/4W		4-342-117-00	CASE, SHIELD (MAIN), R					
R258	1-246-489-00	CARBON	4.7K	5%	1/4W		4-342-118-00	LID, SHIELD CASE, R					
R259	1-246-449-00	CARBON	100	5%	1/4W		<u>CAPACITOR</u>						
R260	1-246-477-00	CARBON	1.5K	5%	1/4W		C1	1-123-617-00	ELECT	10MF	20%	16V	
R261	1-246-483-00	CARBON	2.7K	5%	1/4W		C2	1-123-617-00	ELECT	10MF	20%	16V	
R262	1-246-465-00	CARBON	470	5%	1/4W		C3	1-123-617-00	ELECT	10MF	20%	16V	
R264	1-246-503-00	CARBON	18K	5%	1/4W		C4	1-161-019-00	CERAMIC	0.033MF	10%	25V	
R265	1-246-497-00	CARBON	10K	5%	1/4W		C5	1-108-567-00	MYLAR	0.0033MF	5%	50V	
R266	1-246-457-00	CARBON	220	5%	1/4W		C6	1-123-821-00	ELECT	47MF	20%	16V	
R267	1-246-505-00	CARBON	22K	5%	1/4W								
R268	1-246-501-00	CARBON	15K	5%	1/4W								
R269	1-246-509-00	CARBON	33K	5%	1/4W								
R270	1-247-659-00	CARBON	68	5%	1/4W	F							
R271	1-246-513-00	CARBON	47K	5%	1/4W								
R272	1-246-513-00	CARBON	47K	5%	1/4W								
R273	1-246-509-00	CARBON	33K	5%	1/4W								
R274	1-246-521-00	CARBON	100K	5%	1/4W								
R275	1-246-529-00	CARBON	220K	5%	1/4W								
R276	1-246-521-00	CARBON	100K	5%	1/4W								



Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
<u>DIODE</u>				<u>COIL</u>			
D1	8-719-110-32	DIODE PH302B		L701	1-407-171-XX	MICRO INDUCTOR 150UH	
D2	8-719-815-55	DIODE 1S1555		L702	1-407-171-XX	MICRO INDUCTOR 150UH	
<u>IC</u>				L703	1-407-171-XX	MICRO INDUCTOR 150UH	
IC1	8-759-113-73	IC UPC1373H		L704	1-407-364-00	COIL, SPOOK CHOKE; 3.3UH	
<u>COIL</u>				L705	1-407-690-00	MICRO INDUCTOR 5.6UH	
L1	1-404-310-00	COIL		L710	1-408-450-11	MICRO INDUCTOR 47UH	
*****				<u>TRANSISTOR</u>			
♣:A-1330-364-A C BOARD, COMPLETE				Q701	=>8-729-117-54	TRANSISTOR 2SA1175	
*****				Q702	=>8-729-178-54	TRANSISTOR 2SC2785	
♣:1-606-638-00 C BOARD				Q703	8-729-322-78	TRANSISTOR 2SC2278	
♣:1-509-828-12 5P CONNECTOR				Q704	=>8-729-117-54	TRANSISTOR 2SA1175	
1-526-616-00 SOCKET, CRT				Q705	=>8-729-178-54	TRANSISTOR 2SC2785	
♣ 1-556-004-00 CONNECTOR ASSY (2.5MM) 6P				Q706	8-729-322-78	TRANSISTOR 2SC2278	
<u>CONNECTOR</u>				Q707	=>8-729-117-54	TRANSISTOR 2SA1175	
C1	♣:1-506-371-00	2P PLUG (L)		Q708	=>8-729-178-54	TRANSISTOR 2SC2785	
<u>CAPACITOR</u>				Q709	8-729-322-78	TRANSISTOR 2SC2278	
C701	1-102-980-00	CERAMIC	270PF	5%	50V		
C702	1-102-980-00	CERAMIC	270PF	5%	50V		
C703	1-102-820-00	CERAMIC	330PF	5%	50V		
C704	1-102-228-00	CERAMIC	470PF	10%	500V		
C705	1-108-385-00	MYLAR	0.047MF	10%	100V		
C706	1-123-356-00	ELECT	10MF	20%	50V		
C707	1-129-722-00	FILM	0.047MF	10%	630V		
C708	1-102-155-00	CERAMIC	330PF	20%	2KV		
C709	1-123-332-00	ELECT	47MF	20%	16V		
C710	1-102-249-00	CERAMIC	680PF	20%	2KV		
C711	1-123-254-00	ELECT	10MF		250V		
C712	1-108-385-00	MYLAR	0.047MF	10%	100V		
C713	1-123-330-00	ELECT	22MF	20%	16V		
<u>DIODE</u>				<u>RESISTOR</u>			
D701	8-719-300-76	DIODE RH1A		R701	1-213-149-00	METAL	3.3 5% 1W F
D702	8-719-300-76	DIODE RH1A		R702	1-206-690-00	METAL	12K 5% 2W F
D703	8-719-300-76	DIODE RH1A		R703	1-246-497-00	CARBON	10K 5% 1/4W
D704	=>8-719-911-19	DIODE 1SS119		R704	1-246-485-00	CARBON	3.3K 5% 1/4W
D705	=>8-719-911-19	DIODE 1SS119		R705	1-246-483-00	CARBON	2.7K 5% 1/4W
D706	=>8-719-911-19	DIODE 1SS119		R706	1-246-461-00	CARBON	330 5% 1/4W
D707	8-719-100-92	DIODE RD24E-B4		R707	1-246-465-00	CARBON	560 5% 1/4W
D708	=>8-719-911-19	DIODE 1SS119		R708	1-246-433-00	CARBON	22 5% 1/4W
				R709	1-246-485-00	CARBON	3.3K 5% 1/4W
				R711	1-213-149-00	METAL	3.3 5% 1W F
				R712	1-206-690-00	METAL	12K 5% 2W F
				R713	1-246-497-00	CARBON	10K 5% 1/4W
				R714	1-246-485-00	CARBON	3.3K 5% 1/4W
				R715	1-246-469-00	CARBON	680 5% 1/4W
				R716	1-246-461-00	CARBON	330 5% 1/4W
				R717	1-246-465-00	CARBON	470 5% 1/4W
				R718	1-246-433-00	CARBON	22 5% 1/4W
				R719	1-246-485-00	CARBON	3.3K 5% 1/4W
				R721	1-213-149-00	METAL	3.3 5% 1W F
				R722	1-206-690-00	METAL	12K 5% 2W F
				R723	1-246-497-00	CARBON	10K 5% 1/4W
				R724	1-246-485-00	CARBON	3.3K 5% 1/4W
				R725	1-246-473-00	CARBON	1K 5% 1/4W
				R726	1-246-473-00	CARBON	1K 5% 1/4W
				R727	1-246-460-00	CARBON	300 5% 1/4W
				R728	1-246-433-00	CARBON	22 5% 1/4W
				R729	1-246-485-00	CARBON	3.3K 5% 1/4W
				R731	1-202-585-00	COMPOSITION	3.3K 10% 1/2W
				R732	1-202-585-00	COMPOSITION	3.3K 10% 1/2W
				R733	1-202-585-00	COMPOSITION	3.3K 10% 1/2W
				R734	1-202-628-00	COMPOSITION	220K 10% 1/2W
				R735	1-202-637-00	COMPOSITION	470K 10% 1/2W
				R736	1-202-619-00	COMPOSITION	82K 10% 1/2W
				R737	1-202-549-00	COMPOSITION	100 10% 1/2W

Ref.No	Part No	Description	Remark				Ref.No	Part No	Description	Remark			
R738	1-202-609-00	COMPOSITION	33K	10%	1/2W		C509	1-131-539-00	TANTALUM	2.2MF	20%	20V	
R739	1-202-641-00	COMPOSITION	680K	10%	1/2W		C510	1-123-586-00	ELECT	0.1MF	20%	50V	
R740	1-202-613-00	COMPOSITION	47K	10%	1/2W		C511	1-106-224-00	MYLAR	0.15MF	10%	100V	
R741	1-202-645-00	COMPOSITION	1M	10%	1/2W		C512	1-123-379-00	ELECT	0.47MF	20%	50V	
VARIABLE RESISTOR							C513	1-108-433-00	MYLAR	0.1MF	10%	200V	
RV701	1-226-848-00	RES, ADJ, CARBON	2.2K				C514	1-123-336-00	ELECT	470MF	20%	25V	
RV702	1-226-850-00	RES, ADJ, CARBON	4.7K				C515	1-102-228-00	CERAMIC	470PF	10%	500V	
RV703	1-226-848-00	RES, ADJ, CARBON	2.2K				C516	1-108-807-00	MYLAR	0.018MF	5%	50V	
RV704	1-226-850-00	RES, ADJ, CARBON	4.7K				C517	1-108-583-00	MYLAR	0.015MF	5%	50V	
RV705	1-226-850-00	RES, ADJ, CARBON	4.7K				C518	1-131-448-00	TANTALUM	1MF	5%	35V	
RV706	1-226-114-00	RES, ADJ, METAL GLAZE	2.2M				C519	1-123-380-00	ELECT	1MF	20%	50V	
RV707	1-226-114-00	RES, ADJ, METAL GLAZE	2.2M				C520	1-108-385-00	MYLAR	0.047MF	10%	100V	
SPARK GAP							C521	1-108-365-00	MYLAR	0.001MF	10%	100V	
SG701	1-519-063-XX	DISCHARGING GAP					C522	1-108-381-00	MYLAR	0.022MF	10%	100V	
SG702	1-519-063-XX	DISCHARGING GAP					C523	1-108-377-00	MYLAR	0.01MF	10%	100V	
SG703	1-519-063-XX	DISCHARGING GAP					C524	1-102-233-00	CERAMIC	33PF	10%	500V	
SG704	1-519-063-XX	DISCHARGING GAP					C525	1-123-380-00	ELECT	1MF	20%	50V	
SG705	1-519-063-XX	DISCHARGING GAP					C526	1-123-380-00	ELECT	1MF	20%	50V	
SG706	1-519-063-XX	DISCHARGING GAP					C527	1-123-586-00	ELECT	0.1MF	20%	50V	
*****							C528	1-108-559-00	MYLAR	0.0015MF	5%	50V	
♣:1-606-640-00 V BOARD							C529	1-123-321-00	ELECT	220MF	20%	16V	
*****							C530	1-123-321-00	ELECT	220MF	20%	16V	
♣:1-556-018-71 CONNECTOR ASSY (2.5MM) 3P							C531	1-123-332-00	ELECT	47MF	20%	16V	
♣:4-345-701-00 HOLDER, LED							C532	1-130-547-00	FILM	1.5MF	5%	200V	
DIODE							C533	1-123-360-00	ELECT	100MF	20%	50V	
D951	8-719-102-34	DIODE SG232D					C534	1-123-381-00	ELECT	2.2MF	20%	50V	
D952	8-719-106-34	DIODE SR632D					C535	1-123-267-00	ELECT	2.2MF	20%	160V	
*****							C539	1-121-757-00	ELECT	33MF		160V	
♣:A-1345-370-A D BOARD, COMPLETE							C540	1-108-385-00	MYLAR	0.047MF	10%	100V	
*****							C541	1-101-810-00	CERAMIC	100PF	5%	500V	
♣:1-533-087-00 HOLDER, FUSE							C542	1-108-365-00	MYLAR	0.001MF	10%	100V	
3-701-609-00 BUSHING (B), TR							C543	1-130-229-00	FILM	0.0133MF	3%	1.2KV	
♣:3-701-748-00 CLAMP							C544	1-130-959-00	FILM	0.047MF	5%	400V	
CAPACITOR							C545	1-102-223-00	CERAMIC	0.0047MF	20%	1.6KV	
C501	1-123-333-00	ELECT	100MF	20%	16V		C546	1-123-254-00	ELECT	10MF		250V	
C502	1-123-380-00	ELECT	1MF	20%	50V		C547	1-102-038-00	CERAMIC	0.001MF	99%	500V	
C503	1-123-380-00	ELECT	1MF	20%	50V		C548	1-123-334-00	ELECT	220MF	20%	25V	
C504	1-108-377-00	MYLAR	0.01MF	10%	100V		C549	1-123-333-00	ELECT	100MF	20%	25V	
C505	1-129-794-00	FILM	0.0033MF	5%	100V		C550	1-102-038-00	CERAMIC	0.001MF	99%	500V	
C506	1-106-180-00	MYLAR	0.0022MF	5%	100V		C551	1-123-348-00	ELECT	470MF	20%	35V	
C508	1-108-378-00	MYLAR	0.012MF	10%	100V		C552	1-123-332-00	ELECT	47MF	20%	16V	
							C553	1-108-425-00	MYLAR	0.022MF	10%	200V	
							C554	1-108-429-00	MYLAR	0.047MF	10%	200V	
							C555	1-108-421-00	MYLAR	0.01MF	10%	200V	
							C556	1-130-547-00	FILM	1.5MF	5%	200V	
							C557	1-108-377-00	MYLAR	0.01MF	10%	100V	
							C558	1-161-961-00	CERAMIC	0.0022MF	10%	3KV	
							C559	1-123-380-00	ELECT	1MF	20%	50V	

D

Ref.No	Part No	Description	Remark
C560	1-108-387-00	MYLAR 0.068MF 10%	100V
C561	1-108-382-00	MYLAR 0.027MF 10%	100V
C562	1-108-382-00	MYLAR 0.027MF 10%	100V
C563	1-123-380-00	ELECT 1MF 20%	50V
C564	1-123-332-00	ELECT 47MF 20%	16V
C565	1-108-389-00	MYLAR 0.1MF 10%	100V
C566	1-123-328-00	ELECT 4.7MF 20%	25V
C567	1-130-162-00	FILM 0.33MF 5%	200V
C568	1-108-389-00	MYLAR 0.1MF 10%	100V
C571	1-102-050-00	CERAMIC 0.01MF 99%	500V
C572	1-102-234-00	CERAMIC 270PF 10%	500V
C573	1-101-004-00	CERAMIC 0.01MF 50V	
C575	1-108-378-00	MYLAR 0.012MF 10%	100V
C576	1-102-038-00	CERAMIC 0.001MF 99%	500V
C577	1-102-959-00	CERAMIC 22PF 5%	50V
C601	1-108-913-00	FILM 0.22MF 20%	300V
C602	1-108-913-00	FILM 0.22MF 20%	300V
C603	1-102-085-00	CERAMIC 0.0047MF 99%	500V
C604	1-102-085-00	CERAMIC 0.0047MF 99%	500V
C605	1-161-738-00	FILM 0.0047MF 20%	400V
C606	1-125-287-00	ELECT(BLOCK) 430MF 99%	400V
C607	1-123-360-00	ELECT 100MF 20%	50V
C608	1-108-376-00	MYLAR 0.0082MF 10%	100V
C609	1-102-959-00	CERAMIC 22PF 5%	50V
C610	1-123-332-00	ELECT 47MF 20%	16V
C611	1-123-381-00	ELECT 2.2MF 20%	50V
C612	1-123-323-00	ELECT 470MF 20%	16V
C613	1-108-375-00	MYLAR 0.0068MF 10%	100V
C614	1-129-706-61	FILM 0.0022MF 10%	630V
C615	1-121-757-00	ELECT 33MF 160V	
C616	1-123-350-00	ELECT 2200MF 20%	35V
C618	1-123-336-00	ELECT 470MF 20%	25V
C619	1-123-326-00	ELECT 3300MF 20%	16V
C620	1-102-327-00	CERAMIC 330PF 15%	1.5KV
C621	1-102-085-00	CERAMIC 0.0047MF 99%	500V
C622	1-161-953-00	FILM 0.0047MF 20%	400V
C623	1-161-738-00	CERAMIC 0.0047MF 20%	400V
C624	1-161-953-00	FILM 0.0047MF 20%	400V
C625	1-108-913-00	FILM 0.22MF 20%	300V
C626	1-161-739-00	CERAMIC 0.01MF 20%	400V
C631	1-102-002-00	CERAMIC 680PF 10%	500V
C632	1-102-030-00	CERAMIC 330PF 10%	500V
C633	1-102-030-00	CERAMIC 330PF 10%	500V
C634	1-102-327-00	CERAMIC 330PF 15%	1.5KV
C635	1-108-369-00	MYLAR 0.0022MF 10%	100V
C640	1-101-005-00	CERAMIC 0.022MF	50V

CONNECTOR

D1	1-506-348-XX	3P PLUG (L)
D2	1-506-348-XX	3P PLUG (L)
D3	1-506-348-XX	3P PLUG (L)
D4	1-508-765-00	3P PLUG (M)
D5	1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)
D6	1-508-768-00	6P PLUG
D7	1-508-784-00	1P PLUG
D9	1-508-786-00	2P PLUG (M)

Ref.No	Part No	Description	Remark
D10	1-506-348-XX	PLUG, 5P	
D11	1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P	
D12	1-508-766-00	4P PLUG (M)	
D14	1-508-766-00	4P PLUG (M)	

DIODE

D502	=>8-719-911-19	DIODE 1SS119
D503	=>8-719-911-19	DIODE 1SS119
D504	=>8-719-911-19	DIODE 1SS119
D505	=>8-719-900-93	DIODE V09C
D507	=>8-719-305-15	DIODE GH3F
D509	8-719-903-09	DIODE V30N
D510	8-719-300-76	DIODE RH1A
D511	=>8-719-901-93	DIODE V19E
D512	8-719-901-93	DIODE V19E
D513	=>8-719-900-93	DIODE V09C
D514	=>8-719-900-93	DIODE V09C
D515	=>8-719-911-19	DIODE 1SS119
D516	8-719-928-08	DIODE ERD28-08
D517	=>8-719-911-19	DIODE 1SS119
D518	=>8-719-911-19	DIODE 1SS119
D601	8-719-503-06	DIODE S3WB60Z
D605	=>8-719-900-93	DIODE V09C
D606	8-719-100-68	DIODE RD13E-B2
D608	=>8-719-901-83	DIODE 1SS83
D609	=>8-719-901-83	DIODE 1SS83
D610	=>8-719-901-93	DIODE V19E
D611	=>8-719-928-08	DIODE ERD28-08
D612	=>8-719-900-26	DIODE ERD29-08J
D613	=>8-719-901-93	DIODE V19E
D614	8-719-981-00	DIODE ERC81-004
D615	8-719-901-39	DIODE V06J
D616	=>8-719-200-02	DIODE 10E2
D617	=>8-719-200-02	DIODE 10E2

CONNECTOR

DY1	1-506-348-XX	3P PLUG (L)
DY2	1-506-348-XX	3P PLUG (L)

FUSE

F601	1-532-237-00	FUSE, 3.15A
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IC

IC501	8-759-878-03	IC LA7802
IC502	8-759-103-68	IC UPC1368H2
IC503	8-759-979-16	IC CX7916
IC504	8-719-907-13	DIODE PC713
IC505	8-759-700-06	IC NJM7812B
IC601	8-759-046-00	IC TDA4600

COIL

L501	1-407-494-00	MICRO INDUCTOR 1.5MMH
L502	1-408-225-00	MICRO INDUCTOR 3.3UH
L503	1-407-365-00	COIL, CHOKE; 0.7UH

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
L504	1-459-390-00	COIL (WITH CORE); 390UH		R518	1-246-529-00	CARBON 220K 5%	1/4W
L505	1-459-241-00	COIL, HORIZONTAL LINIALITY; HLC		R519	1-246-487-00	CARBON 3.9K 5%	1/4W
L506	1-459-104-00	COIL, DUST CORE; 10MMH		R520	1-246-525-00	CARBON 150K 5%	1/4W
L507	1-407-166-XX	MICRO INDUCTOR 56UH		R521	1-246-523-00	CARBON 120K 5%	1/4W
L508	1-459-060-00	COIL, DYNAMIC CONVERSION CHOKE; 1.4MMH		R522	1-247-613-00	CARBON 6.8K 5%	1/8W
L509	1-421-329-00	COIL, CHOKE; 10UH		R523	1-246-459-00	CARBON 270 5%	1/4W
L510	1-459-104-00	COIL, DUST CORE; 10MMH		R524	1-246-511-00	CARBON 39K 5%	1/4W
L602	1-408-225-00	MICRO INDUCTOR 3.3UH		R525	1-246-529-00	CARBON 220K 5%	1/4W
L603	1-425-613-00	COIL, AIR-CORE, QF TYPE		R526	1-246-475-00	CARBON 1.2K 5%	1/4W
L604	1-459-215-00	CORE COIL; 12UH		R527	1-246-461-00	CARBON 330 5%	1/4W
L605	1-408-225-00	MICRO INDUCTOR 3.3UH		R528	1-246-481-00	CARBON 2.2K 5%	1/4W
L608	1-408-225-00	MICRO INDUCTOR 3.3UH		R529	1-214-722-00	METAL 510 1%	1/4W
L609	1-408-415-00	MICRO INDUCTOR 33UH		R530	1-246-485-00	CARBON 3.3K 5%	1/4W
TRANSISTOR				R531	1-202-727-51	COMPOSITION 4.7M 5%	1/2W
Q501	8-729-168-82	TRANSISTOR 2SC2688		R532	1-213-132-00	METAL 120 5%	1W F
Q502	8-729-178-54	TRANSISTOR 2SC2785		R533	1-246-483-00	CARBON 2.7K 5%	1/4W
Q503	8-729-341-34	TRANSISTOR 2SC1413A		R534	1-246-497-00	CARBON 10K 5%	1/4W
Q504	8-729-117-54	TRANSISTOR 2SA1175		R535	1-246-491-00	CARBON 5.6K 5%	1/4W
Q505	8-729-178-54	TRANSISTOR 2SC2785		R536	1-246-519-00	CARBON 82K 5%	1/4W
Q506	8-729-178-54	TRANSISTOR 2SC2785		R537	1-246-485-00	CARBON 3.3K 5%	1/4W
Q507	8-729-117-54	TRANSISTOR 2SA1175		R538	1-246-507-00	CARBON 27K 5%	1/4W
Q508	8-729-178-54	TRANSISTOR 2SC2785		R539	1-246-497-00	CARBON 10K 5%	1/4W
Q509	8-729-178-54	TRANSISTOR 2SC2785		R540	1-246-497-00	CARBON 10K 5%	1/4W
Q510	8-729-178-54	TRANSISTOR 2SC2785		R541	1-246-517-00	CARBON 68K 5%	1/4W
Q513	8-729-178-54	TRANSISTOR 2SC2785		R542	1-214-785-00	METAL 220K 1%	1/4W
Q514	8-729-178-54	TRANSISTOR 2SC2785		R543	1-214-762-00	METAL 24K 1%	1/4W
Q515	8-729-117-54	TRANSISTOR 2SA1175		R544	1-246-497-00	CARBON 10K 5%	1/4W
Q516	8-729-178-54	TRANSISTOR 2SC2785		R545	1-246-465-00	CARBON 470 5%	1/4W
Q517	8-729-117-54	TRANSISTOR 2SA1175		R546	1-213-137-00	METAL 330 5%	1W F
Q518	8-729-313-42	TRANSISTOR 2SD1134		R547	1-213-138-00	METAL 390 5%	1W F
Q601	8-729-281-10	TRANSISTOR 2SD811		R548	1-246-489-00	CARBON 4.7K 5%	1/4W
Q602	8-719-000-28	THYRISTOR CRO2AM-8		R549	1-246-509-00	CARBON 33K 5%	1/4W
RESISTOR				R550	1-246-473-00	CARBON 1K 5%	1/4W
R501	1-205-607-00	CEMENT-COATED 18K 10% 5W		R551	1-246-497-00	CARBON 10K 5%	1/4W
R502	1-246-494-00	CARBON 7.5K 5% 1/4W		R552	1-246-519-00	CARBON 82K 5%	1/4W
R503	1-246-511-00	CARBON 39K 5% 1/4W		R553	1-246-505-00	CARBON 22K 5%	1/4W
R504	1-246-499-00	CARBON 12K 5% 1/4W		R554	1-246-509-00	CARBON 33K 5%	1/4W
R506	1-246-475-00	CARBON 1.2K 5% 1/4W		R555	1-212-371-00	METAL 8.2 5%	1W F
R507	1-246-501-00	CARBON 15K 5% 1/4W		R562	1-246-461-00	CARBON 330 5%	1/4W
R508	1-246-509-00	CARBON 33K 5% 1/4W		R563	1-206-684-00	METAL 6.8K 5%	2W F
R509	1-246-523-00	CARBON 120K 5% 1/4W		R564	1-246-995-00	CARBON 1.8K 5%	1/8W F
R510	1-246-505-00	CARBON 22K 5% 1/4W		R565	1-246-783-00	CARBON 1K 5%	1/8W F
R511	1-246-499-00	CARBON 12K 5% 1/4W		R566	1-246-979-00	CARBON 1.2 5%	1/8W F
R512	1-246-463-00	CARBON 390 5% 1/4W		R567	1-246-997-00	CARBON 1.2 5%	1/4W F
R513	1-214-769-00	METAL 47K 1% 1/4W		R568	1-246-979-00	CARBON 1.2 5%	1/8W F
R514	1-246-463-00	CARBON 390 5% 1/4W		R569	1-202-597-00	COMPOSITION 10K 5%	1/2W
R515	1-212-362-00	METAL 1.5 5% 1W		R570	1-246-491-00	CARBON 5.6K 5%	1/4W
R516	1-214-776-00	METAL 91K 1% 1/4W	F	R571	1-214-913-00	METAL 100K 1%	1/2W
R517	1-214-770-00	METAL 51K 1% 1/4W		R572	1-213-147-00	METAL 2.2K 5%	1W F
				R573	1-246-457-00	CARBON 220 5%	1/4W
				R574	1-246-513-00	CARBON 47K 5%	1/4W
				R575	1-246-503-00	CARBON 18K 5%	1/4W
				R576	1-246-485-00	CARBON 3.3K 5%	1/4W



Ref.No	Part No	Description	Remark
R577	1-246-481-00	CARBON	2.2K 5% 1/4W
R578	1-246-531-00	CARBON	270K 5% 1/4W
R579	1-246-489-00	CARBON	4.7K 5% 1/4W
R580	1-246-499-00	CARBON	12K 5% 1/4W
R581	1-246-485-00	CARBON	3.3K 5% 1/4W
R582	1-206-684-00	METAL	6.8K 5% 2W F
R583	1-246-461-00	CARBON	330 5% 1/4W
R584	1-246-517-00	CARBON	68K 5% 1/4W
R585	1-246-473-00	CARBON	1K 5% 1/4W
R586	1-246-473-00	CARBON	1K 5% 1/4W
R587	1-246-509-00	CARBON	33K 5% 1/4W
R588	1-246-481-00	CARBON	2.2K 5% 1/4W
R589	1-246-473-00	CARBON	1K 5% 1/4W
R590	1-246-497-00	CARBON	10K 5% 1/4W
R591	1-246-503-00	CARBON	18K 5% 1/4W
R592	1-246-519-00	CARBON	82K 5% 1/4W
R593	1-246-481-00	CARBON	2.2K 5% 1/4W
R594	1-246-481-00	CARBON	2.2K 5% 1/4W
R595	1-246-519-00	CARBON	82K 5% 1/4W
R596	1-246-481-00	CARBON	2.2K 5% 1/4W
R597	1-246-477-00	CARBON	1.5K 5% 1/4W
R598	1-246-485-00	CARBON	3.3K 5% 1/4W
R599	1-246-545-00	CARBON	1M 5% 1/4W
R601	1-205-653-00	WIREWOUND	100 5% 5W F
R602	1-206-664-00	METAL	1K 5% 2W F
R603	1-247-289-00	CARBON	8.2M 5% 1W
R604	1-244-933-51	CARBON	330K 5% 1/2W
R605	1-212-356-00	METAL	0.47 5% 1W F
R606	1-246-493-00	CARBON	6.8K 5% 1/4W
R607	1-210-859-00	CARBON	1.2 5% 1/8W F
R608	1-215-263-00	METAL	220K 5% 1W
R609	1-246-499-00	CARBON	12K 5% 1/4W
R610	1-246-475-00	CARBON	1.2K 5% 1/4W
R611	1-246-497-00	CARBON	10K 5% 1/4W
R612	1-246-461-00	CARBON	330 5% 1/4W
R613	1-246-481-00	CARBON	2.2K 5% 1/4W
R614	1-246-491-00	CARBON	5.6K 5% 1/4W
R615	1-244-931-51	CARBON	270K 5% 1/2W
R616	1-206-519-00	METAL	22 5% 3W F
R617	1-207-451-00	WIREWOUND	0.1 10% 1/2W F
R618	1-213-125-00	METAL	33 5% 1W F
R619	1-246-981-00	CARBON	4.7 5% 1/8W F
R620	1-244-929-51	CARBON	220K 5% 1/2W
R622	1-246-437-00	CARBON	33 5% 1/4W
R623	1-202-724-00	COMPOSITION	2.7M 10% 1/2W
R625	1-247-687-00	CARBON	6.8M 5% 1W
R640	1-246-437-00	CARBON	33 5% 1/4W
R1501	1-211-409-00	CARBON	10 5% 1/8W F
R1502	1-246-527-00	CARBON	180K 5% 1/4W
R1503	1-246-461-00	CARBON	330 5% 1/4W
R1504	1-246-497-00	CARBON	10K 5% 1/4W
R1505	1-246-473-00	CARBON	1K 5% 1/4W
R1506	1-246-497-00	CARBON	10K 5% 1/4W
R1507	1-246-501-00	CARBON	15K 5% 1/4W

Ref.No	Part No	Description	Remark
VARIABLE RESISTOR			
RV501	1-228-160-11	RES, ADJ, METAL GLAZE 5K	
RV502	1-224-248-XX	RES, ADJ, METAL GLAZE 470	
RV503	1-226-846-00	RES, ADJ, CARBON 470	
RV504	1-226-855-00	RES, ADJ, CARBON 220K	
RV505	1-226-851-00	RES, ADJ, CARBON 10K	
RV506	1-223-102-00	RES, ADJ, WIREWOUND 120	
RV507	1-226-846-00	RES, ADJ, CARBON 470	
RV508	1-226-774-00	RES, ADJ, METAL GLAZE 47K	
RV601	1-226-850-00	RES, ADJ, CARBON 4.7K	
SPARK GAP			
SG501	1-519-063-XX	DISCHARGING GAP	
TRANSFORMER			
T501	1-437-078-00	TRANSFORMER, HORIZONTAL DRIVE; HDT	
T503	1-421-520-00	TRANSFORMER, FERRITE (PHT)	
T601	1-421-519-00	TRANSFORMER, FERRITE (SRT)	
T602	1-421-352-00	TRANSFORMER, FERRITE	
T603	1-441-855-00	TRANSFORMER, HEATER INSULATION	
T604	1-421-357-00	TRANSFORMER, LINE FILTER	
THERMISTOR			
TH501	1-800-944-00	THERMISTOR TH-4700	
TH601	1-800-820-00	THERMISTOR, POWER	
THP602	1-806-387-00	THERMISTOR (POSITIVE)	
THP603	1-806-449-21	THERMISTOR (POSITIVE)	

	1-606-639-00	H BOARD	*****
	1-555-954-00	CONNECTOR ASSY (2.5MM) 9P	
	1-555-958-00	CONNECTOR ASSY (2.5MM) 2P	
	1-556-236-00	CONNECTOR ASSY (2.5MM) 8P	
RESISTOR			
R902	1-246-537-00	CARBON 470K 5% 1/4W	
BARIABLE RESISTOR			
RV901	1-228-583-00	RES, VAR, CARBON 20K	
RV902	1-228-582-00	RES, VAR, CARBON 20K	
RV903	1-228-582-00	RES, VAR, CARBON 20K	
RV904	1-228-582-00	RES, VAR, CARBON 20K	
RV905	1-228-583-00	RES, VAR, CARBON 20K	
RV906	1-228-583-00	RES, VAR, CARBON 20K	
RV907	1-228-582-00	RES, VAR, CARBON 20K	
RV908	1-228-582-00	RES, VAR, CARBON 20K	
RV909	1-228-583-00	RES, VAR, CARBON 20K	
SWITCH			
SW901	1-552-656-00	SWITCH, SLIDE	

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.



Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
♣:A-1327-002-A	T BOARD, COMPLETE	*****			IC		
♣:4-348-704-00	HEAT SINK (A)			IC1001	8-759-113-87	IC UPC1387C	
	CAPACITOR				TRANSISTOR		
C1001	1-123-295-00	ELECT	100MF	20%	6.3V	Q1001	8-729-109-53
C1002	1-123-333-00	ELECT	100MF	20%	16V	Q1002	8-729-109-53
C1003	1-123-318-00	ELECT	33MF	20%	16V	Q1003	8-729-117-54
C1004	1-123-333-00	ELECT	100MF	20%	16V	Q1004	8-729-178-54
C1005	1-123-332-00	ELECT	47MF	20%	16V	Q1005	8-729-117-54
C1006	1-123-333-00	ELECT	100MF	20%	16V	Q1006	8-729-178-54
C1007	1-123-332-00	ELECT	47MF	20%	16V	Q1007	8-729-117-54
C1009	1-123-328-00	ELECT	4.7MF	20%	25V	Q1010	8-729-384-48
C1010	1-123-380-00	ELECT	1MF	20%	50V	Q1011=>8-729-603-50	TRANSISTOR 2SC403SP
C1011	1-123-330-00	ELECT	22MF	20%	16V	Q1012=>8-729-603-50	TRANSISTOR 2SC403SP
C1021	1-123-330-00	ELECT	22MF	20%	16V	Q1020	8-729-384-48
C1031	1-123-330-00	ELECT	22MF	20%	16V	Q1021=>8-729-603-50	TRANSISTOR 2SC403SP
C1041	1-123-311-00	ELECT	1000MF	20%	10V	Q1022=>8-729-603-50	TRANSISTOR 2SC403SP
C1042	1-123-311-00	ELECT	1000MF	20%	10V	Q1030	8-729-384-48
C1043	1-161-268-00	CERAMIC	56PF	5%	50V	Q1031=>8-729-603-50	TRANSISTOR 2SC403SP
C1044	1-123-299-00	ELECT	1000MF	20%	6.3V	Q1032=>8-729-603-50	TRANSISTOR 2SC403SP
C1045	1-123-356-00	ELECT	10MF	20%	16V	Q1041	8-729-178-54
C1046	1-123-310-00	ELECT	470MF	20%	10V	Q1042	8-729-178-54
C1047	1-108-384-00	MYLAR	0.039MF	10%	100V	Q1043	8-729-178-54
C1051	1-123-332-00	ELECT	47MF	20%	16V	Q1044	8-729-178-54
C1052	1-123-332-00	ELECT	47MF	20%	16V	Q1051	8-729-178-54
C1061	1-123-356-00	ELECT	10MF	20%	16V	Q1052	8-729-178-54
C1062	1-123-356-00	ELECT	10MF	20%	16V	Q1061	8-729-178-54
C1063	1-123-318-00	ELECT	33MF	20%	16V	Q1062	8-729-178-54
C1071	1-123-356-00	ELECT	10MF	20%	16V	Q1071	8-729-178-54
C1072	1-123-356-00	ELECT	10MF	20%	16V	Q1072	8-729-178-54
C1073	1-123-318-00	ELECT	33MF	20%	16V	Q1081	8-729-178-54
C1083	1-123-381-00	ELECT	2.2MF	20%	50V	Q1082	8-729-117-54
C1090	1-102-085-00	CERAMIC	0.0047MF	99%	500V	Q1083	8-729-178-54
C1095	1-161-323-00	CERAMIC	0.001MF	10%	50V	Q1095=>8-729-603-50	TRANSISTOR 2SC403SP
	DIODE						
D1001	8-719-100-20	DIODE	RD3.9E-B1			R1001	1-212-361-00
D1002=>8-719-911-19	DIODE	1SS119				R1002	1-212-356-00
D1003=>8-719-911-19	DIODE	1SS119				R1003	1-246-449-00
D1004	8-719-100-42	DIODE	RD6.8E-B3			R1004	1-246-449-00
D1005=>8-719-911-19	DIODE	1SS119				R1005	1-213-141-00
D1015=>8-719-911-19	DIODE	1SS119				R1006	1-206-491-51
D1025=>8-719-911-19	DIODE	1SS119				R1007	1-206-491-51
D1051=>8-719-911-19	DIODE	1SS119				R1008	1-246-465-00
D1052=>8-719-911-19	DIODE	1SS119				R1009	1-246-471-00
D1053=>8-719-911-19	DIODE	1SS119				R1011	1-246-449-00
D1082=>8-719-911-19	DIODE	1SS119					
D1083=>8-719-911-19	DIODE	1SS119					
D1084=>8-719-911-19	DIODE	1SS119					
D1093=>8-719-911-19	DIODE	1SS119					
	RESISTOR						
						R1001	1-212-361-00
						R1002	1-212-356-00
						R1003	1-246-449-00
						R1004	1-246-449-00
						R1005	1-213-141-00
						R1006	1-206-491-51
						R1007	1-206-491-51
						R1008	1-246-465-00
						R1009	1-246-471-00
						R1011	1-246-449-00



Ref.No	Part No	Description	Remark
R1012	1-246-485-00	CARBON 3.3K 5% 1/4W	
R1013	1-246-481-00	CARBON 2.2K 5% 1/4W	
R1015	1-246-465-00	CARBON 470 5% 1/4W	
R1016	1-246-446-00	CARBON 75 5% 1/4W	
R1017	1-246-457-00	CARBON 220 5% 1/4W	
R1018	1-246-451-00	CARBON 120 5% 1/4W	
R1019	1-246-447-00	CARBON 82 5% 1/4W	
R1021	1-246-449-00	CARBON 100 5% 1/4W	
R1022	1-246-485-00	CARBON 3.3K 5% 1/4W	
R1023	1-246-481-00	CARBON 2.2K 5% 1/4W	
R1025	1-246-465-00	CARBON 470 5% 1/4W	
R1026	1-246-446-00	CARBON 75 5% 1/4W	
R1027	1-246-457-00	CARBON 220 5% 1/4W	
R1028	1-246-457-00	CARBON 220 5% 1/4W	
R1029	1-246-481-00	CARBON 2.2K 5% 1/4W	
R1030	1-246-457-00	CARBON 220 5% 1/4W	
R1031	1-246-449-00	CARBON 100 5% 1/4W	
R1032	1-246-485-00	CARBON 3.3K 5% 1/4W	
R1033	1-246-481-00	CARBON 2.2K 5% 1/4W	
R1035	1-246-465-00	CARBON 470 5% 1/4W	
R1036	1-246-446-00	CARBON 75 5% 1/4W	
R1037	1-246-457-00	CARBON 220 5% 1/4W	
R1038	1-246-457-00	CARBON 220 5% 1/4W	
R1039	1-212-356-00	METAL 0.47 5% 1W	F
R1040	1-246-451-00	CARBON 120 5% 1/4W	
R1041	1-246-473-00	CARBON 1K 5% 1/4W	
R1042	1-246-473-00	CARBON 1K 5% 1/4W	
R1043	1-246-473-00	CARBON 1K 5% 1/4W	
R1044	1-246-473-00	CARBON 1K 5% 1/4W	
R1045	1-246-473-00	CARBON 1K 5% 1/4W	
R1046	1-246-473-00	CARBON 1K 5% 1/4W	
R1047	1-246-446-00	CARBON 75 5% 1/4W	
R1048	1-246-461-00	CARBON 330 5% 1/4W	
R1049	1-246-461-00	CARBON 330 5% 1/4W	
R1050	1-246-469-00	CARBON 680 5% 1/4W	
R1051	1-246-507-00	CARBON 27K 5% 1/4W	
R1052	1-246-497-00	CARBON 10K 5% 1/4W	
R1053	1-246-461-00	CARBON 330 5% 1/4W	
R1054	1-246-446-00	CARBON 75 5% 1/4W	
R1055	1-246-509-00	CARBON 33K 5% 1/4W	
R1056	1-246-495-00	CARBON 8.2K 5% 1/4W	
R1057	1-246-513-00	CARBON 47K 5% 1/4W	
R1058	1-246-483-00	CARBON 2.7K 5% 1/4W	
R1059	1-246-483-00	CARBON 2.7K 5% 1/4W	
R1060	1-246-473-00	CARBON 1K 5% 1/4W	
R1061	1-246-517-00	CARBON 68K 5% 1/4W	
R1064	1-246-517-00	CARBON 68K 5% 1/4W	
R1066	1-246-469-00	CARBON 680 5% 1/4W	
R1067	1-246-509-00	CARBON 33K 5% 1/4W	
R1068	1-246-469-00	CARBON 680 5% 1/4W	
R1069	1-246-505-00	CARBON 22K 5% 1/4W	
R1070	1-246-473-00	CARBON 1K 5% 1/4W	
R1071	1-246-517-00	CARBON 68K 5% 1/4W	
R1074	1-246-517-00	CARBON 68K 5% 1/4W	
R1076	1-246-469-00	CARBON 680 5% 1/4W	

Ref.No	Part No	Description	Remark
R1077	1-246-509-00	CARBON 33K 5% 1/4W	
R1078	1-246-469-00	CARBON 680 5% 1/4W	
R1079	1-246-505-00	CARBON 22K 5% 1/4W	
R1080	1-246-497-00	CARBON 10K 5% 1/4W	
R1081	1-246-513-00	CARBON 47K 5% 1/4W	
R1082	1-246-473-00	CARBON 1K 5% 1/4W	
R1083	1-246-501-00	CARBON 15K 5% 1/4W	
R1084	1-246-505-00	CARBON 22K 5% 1/4W	
R1085	1-246-501-00	CARBON 15K 5% 1/4W	
R1086	1-246-505-00	CARBON 22K 5% 1/4W	
R1088	1-246-413-00	CARBON 3.3 5% 1/4W	
R1089	1-246-465-00	CARBON 470 5% 1/4W	
R1090	1-246-433-00	CARBON 22 5% 1/4W	
R1091	1-246-521-00	CARBON 100K 5% 1/4W	
R1092	1-246-515-00	CARBON 56K 5% 1/4W	
R1095	1-246-446-00	CARBON 75 5% 1/4W	
R1096	1-246-469-00	CARBON 680 5% 1/4W	
R1097	1-246-475-00	CARBON 1.2K 5% 1/4W	
R1098	1-246-497-00	CARBON 10K 5% 1/4W	
R1099	1-246-473-00	CARBON 1K 5% 1/4W	

VARIABLE RESISTOR

RV1001	1-226-851-00	RES, ADJ, CARBON 10K
RV1002	1-226-845-00	RES, ADJ, CARBON 330

CONNECTOR

T1	1-560-156-00	PLUG, CONNECTOR (2.5MM PITCH)
T2	1-560-127-00	PLUG, CONNECTOR (2.5MM) 7P
T3	1-508-766-00	4P PLUG (M)
T4	1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P
T7	1-508-784-00	1P PLUG

<u>Ref.No</u>	<u>Part No</u>	<u>Description</u>	<u>Remark</u>
MISCELLANEOUS			

	△ 1-228-253-31	RESISTOR ASSY, HIGH-VOLTAGE	
	1-452-032-00	MAGNET DISK, 10 MMØ	
	1-452-094-00	MAGNET ROTATABLE, DISK 15 MMØ	
	1-452-146-00	MAGNET	
	♣ 1-509-776-00	4P CONNECTOR ASSY	
	♣ 1-509-831-00	CONNECTOR ASSY, MINIATURE, 1P	
	△ 1-536-700-00	TERMINAL BOARD, INPUT OUTPUT	
	1-543-179-00	CORE, RING	
	♣ 1-551-611-00	CONNECTOR ASSY, MINI (2P)	
	♣ 1-551-616-00	CONNECTOR ASSY, MINIATURE 4P	
	♣ 1-555-348-00	CONNECTOR ASSY, MINIATURE 1P	
	♣ 1-555-349-00	CONNECTOR, MINIATURE 1P	
	♣ 1-555-819-00	CONNECTOR, MINIATURE 1P	
	♣ 1-555-966-00	CONNECTOR ASSY (2.5MM) 5P	
	♣ 1-556-056-00	CONNECTOR ASSY (LARGE) 3P	
	♣ 1-556-057-00	CONNECTOR ASSY (LARGE) 3P (AUS ONLY)	
	♣ 1-556-098-00	CONNECTOR ASSY (2.5MM) 12P	
	♣ 1-556-099-00	CONNECTOR ASSY (L) 2P	
	♣ 1-556-135-00	CONNECTOR ASSY (2.5MM) 7P	
	♣ 1-556-238-00	CONNECTOR ASSY (2.5MM) 8P	
	♣ 1-561-023-00	CONNECTOR ASSY, 6P	
	△ 1-561-867-00	INLET 2P	
L901	△ 1-426-087-41	COIL, DEGAUSSING	
L902	△ 1-426-087-41	COIL, DEGAUSSING	
L904	△ 1-451-204-00	DEFLECTION YOKE (SY-108B)	
L905	△ 1-451-204-00	DEFLECTION YOKE (SY-108B)	
S902	△ 1-553-225-00	SWITCH, PUSH	
T502	△ 1-439-280-00	TRANSFORMER ASSY, FLYBACK	
V901	△ 8-738-704-05	PICTURE TUBE (520SB22)	

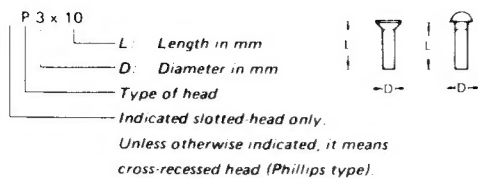
ACCESSORIES AND PACKING MATERIALS

<u>Part.No</u>	<u>Description</u>	<u>Remark</u>
♣ 1-506-392-00	ADAPTOR, PLUG (PC-5A)	
1-551-475-31	CABLE ASSY	
1-551-842-00	CORD, CONNECTION (RK-105A)	
△ 1-555-234-00	CORD, POWER	
4-493-791-11	MANUAL, INSTRUCTION	
4-341-944-00	BAG, PROTECTION	
4-357-130-00	CUSHION (LOWER) (ASSY)	
4-357-131-00	CUSHION (RIGHT) (ASSY)	
4-357-141-00	INDIVIDUAL CARTON	

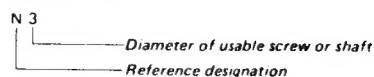
The components identified by shading and mark △ are critical for safety. Replace only with part number specified.

HARDWARE NOMENCLATURE

Screw:



Nut, Washer, Retaining ring:



Reference Designation	Shape	Description	Remarks
SCREWS			
P		pan-head screw	binding-head (B) screw for replacement
PWH		pan-head screw with washer face	binding-head (B) screw and flat washer for replacement
PS PSP		pan-head screw with spring washer	binding-head (B) screw and spring washer for replacement
PSW PSPW		pan-head screw with spring and flat washers	binding-head (B) screw and spring and flat washers for replacement
R		round-head screw	binding-head (B) screw for replacement
K		flat-countersunk-head screw	
RK		oval-countersunk-head screw	
B		binding-head screw	
T		truss-head screw	binding-head (B) screw for replacement
F		flat-tillister-head screw	
RF		fillister-head screw	
BV		brazier-head screw	

Reference Designation	Shape	Description	Remarks
SELF-TAPPING SCREWS			
TA		self-tapping screw	ex: TA, P 3 x 10
PTP		pan-head self-tapping screw	binding-head self-tapping (TA, B) screw for replacement
PTPWH		pan-head self-tapping screw with washer face	binding-head self-tapping (TA, B) screw and flat washer for replacement
PTTWH		pan-head thread-rolling screw with washer face	binding-head (B) screw and flat washer for replacement
SET SCREWS			
SC		set screw	
SC		hexagon socket set screw	ex SC 2.6 x 4, hexagon socket
NUT			
N		nut	
WASHERS			
W		flat washer	
SW		spring washer	
LW		internal-tooth lock washer	ex LW3, internal
LW		external-tooth lock washer	ex LW3, external
RETAINING RINGS			
E		retaining ring	
G		grip-type retaining ring	